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ABSTRACT

An analysis of persistence of 9,171 fall 1974 entering students in Hawaii community colleges, by various characteristics, was conducted. Characteristics focused on were: sex, age, marital status, high school background, entry, status (full- or part-time), educational objective, program, grade point average (GPA), and credit completion ratio. Data were analyzed for the community college system total and for each campus by the student characteristics, as well as for each campus by program clusters enrolling at least 50 students and by student characteristics. A general profile of persisters indicated they were: below 19 years of age at time of entry, had attended Oahu public high schools, were full-time students, were working for A. S. degrees, were enrolled in the business or hotel/food services program, had GPA's of 2.0-2.9, and had high credit completion ratios. Non-persisters were found in high proportion among: the 22-24 year old group, students who graduated from high schools on the mainland or U.S. possessions, part-time students, students with GPA's below 2.0, and students who completed less than half of their attempted credits. Overall, 30% of the fall 1974 entering students attended one semester only, 22% attended two semesters, 11% attended three semesters, 29% attended four semesters, and 8% graduated. Appended are detailed tables on persistence rates--total and disaggregated. (Author/JDS)

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ANALYSIS OF PERSISTENCE AFTER FOUR SEMESTERS

FALL 1974 ENTERING STUDENTS

Report No. 15

Student Flow Project

November 1976

Office of the Chancellor for Community Colleges
Educational Services Division
University of Hawaii

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FIGURE 1 Categories of Persistence, by Campus 6

A. Introduction

We based our analysis of the persistence of Fall 1974 entering students, by various characteristics, on the number and proportion of students who:

--attended 1 semester only
--attended 2 semesters only
--attended 3 semesters only
--attended all 4 semesters
--graduated

Another report, next year, will summarize data on persistence over six semesters.

In view of the volume of data, we decided to focus this report on:

1. data for the community college total and for each campus by 10 characteristics--sex, age, marital status, high school background, entry, status (full- or part-time), educational objective, program, grade point average, credit-completion ratio.[1]

2. data for each community college, by program clusters enrolling a minimum of 50 students and by the above characteristics.

Furthermore, we analyzed data only for the following groups, arbitrarily designated as:

--graduate: student who graduated by the end of the fourth semester

--*persister:* *student who attended all four semesters but who had not graduated at the end of the fourth semester*

--non-persister: student who attended only one semester.

The above three groups comprised 2/3 of the Fall 1974 entering students (see Appendix A). The reader who is interested in details on stop-outs (students who attended for two semesters only or three semesters only) will find such data in Appendix B.

We urge caution in interpreting these results since they represent the first attempt at analyzing persistence over a four-semester period. Rather than being tempted to make sweeping generalizations from these findings, we suggest that they be viewed as baseline data. Next year there will be a similar analysis of Fall 1975 entering students, and a comparison of that group with this one (Fall 1974) should be undertaken.

---

[1] Age and entry as of Fall 1974; marital status, educational objective, and program as of Spring 1976; grade point average and credit-completion ratio are cumulative (for the four semesters); full-/part-time status is based on average of cumulative credits attempted divided by number of semesters attended.

B. Findings: Community College Total

Persistence of the Fall 1974 entering group (9,171 students) is summarized in Appendices A and B.

	Number	Percent
Attended 1 semester only	2,719	30%
Attended 2 semesters only	2,039	22%
Attended 3 semesters only	979	11%
Attended 4 semesters	2,683	29%
Graduated	751	8%

For purposes of analyzing stop-outs, we gathered data on persistence rates based on continuing/non-continuing status in the fourth semester. Of the 3,563 continuing students (39 percent of entering group) in the fourth semester (Spring 1976):

— 559 (16 percent) graduated at the end of that semester

—2,683 (75 percent) were 4-semester students *(persisters)*

— 250 (7 percent) were 3-semester students

— 71 (2 percent) were 2-semester students

Of the 5,608 non-continuing students:

— 192 (3 percent) had graduated prior to Spring 1976

— 729 (13 percent) were 3-semester students

—1,968 (35 percent) were 2-semester students

—2,719 (49 percent) were 1-semester students (non-persisters)

It will be interesting to analyze, in our next report on the Fall 1974 entering group, the extent to which the 2,683 persisters and the stop-outs achieve graduation by the end of six semesters.

1. By Characteristics

We found that there were statistically significant differences at the .001 level in the persistence patterns of students on all 10 characteristics. To illustrate these differences, the following data show the group, by

characteristics, that had the highest (higher) proportions in each category of persistence:

	Non-Persister (1 Sem.)	*Persister (4 Sem.)*	Graduate
Total	30%	*29%*	8%
Sex	32% females	*33% males*	3% females
Age	41% 22-24 years	*37% below 19*	10% 19-21 years
Marital Status	46% other	*31% single*	9% single, other
High Sch. Backgr.	40% U.S. Main. & Poss.	*35% Public, Oahu*	17% Public, Neighbor Is.
Entry	36% transfer	*32% new*	10% transfer
Status	40% part-time	*41% full-time*	17% full-time
Educational Obj.	61% unclassified	*40% A.S.*	35% certificate
Program	61% unclassified 23% liberal arts	*39% business, hotel/ food services*	51% health services
Cum. Grade Pt. Ave.	59% below 2.0	*45% 2.0-2.9*	13% 3.0-3.4
Cum. Credit-Com. Ratio	50% below .50	*57% .80-.89*	28% .90-.99

It is obvious that community college graduates are found in high proportions among students

--who attended Neighbor Island public high schools

--who were full-time students and "successful" in the community colleges, based on grade point average and credit-completion ratio

--who were working for certificates

--who were enrolled in the health services or technology program.

A general profile of the persisters indicates that they:

--were young (below 19 years of age at entry in Fall 1974)

--had attended Oahu public high schools

--were full-time students

--were working for A.S. degrees

--were enrolled in the business or hotel/food services program

--had grade point averages of 2.0-2.9 and had high credit-completion ratios.

Non-persisters were found in high proportions among:

--the 22-24 year old group

--students who graduated from high schools on the Mainland or U.S. Possessions

--part-time students

--unclassified students

--students with below 2.0 grade point averages

--students who completed less than half of their attempted credits.

2. By Campus

It is not surprising to find that there was a statistically significant difference among the campuses in their persistence rates. (Table 1) Hawaii Community College had many students (74 percent of its entering students) attending more than one semester and also had the highest proportion (22 percent) of its Fall 1974 entering group achieving graduation. The campuses with the highest and lowest rates in each category of persistence are given below:

	Highest	Lowest
1 Semester Only	35% Maui	26% Hawaii
2 Semesters Only	28% Kauai	19% Hawaii
3 Semesters Only	15% Windward	8% Maui
4 Semesters	*35% Leeward*	*20% Maui*
Graduates	22% Hawaii	3% Leeward, Windward

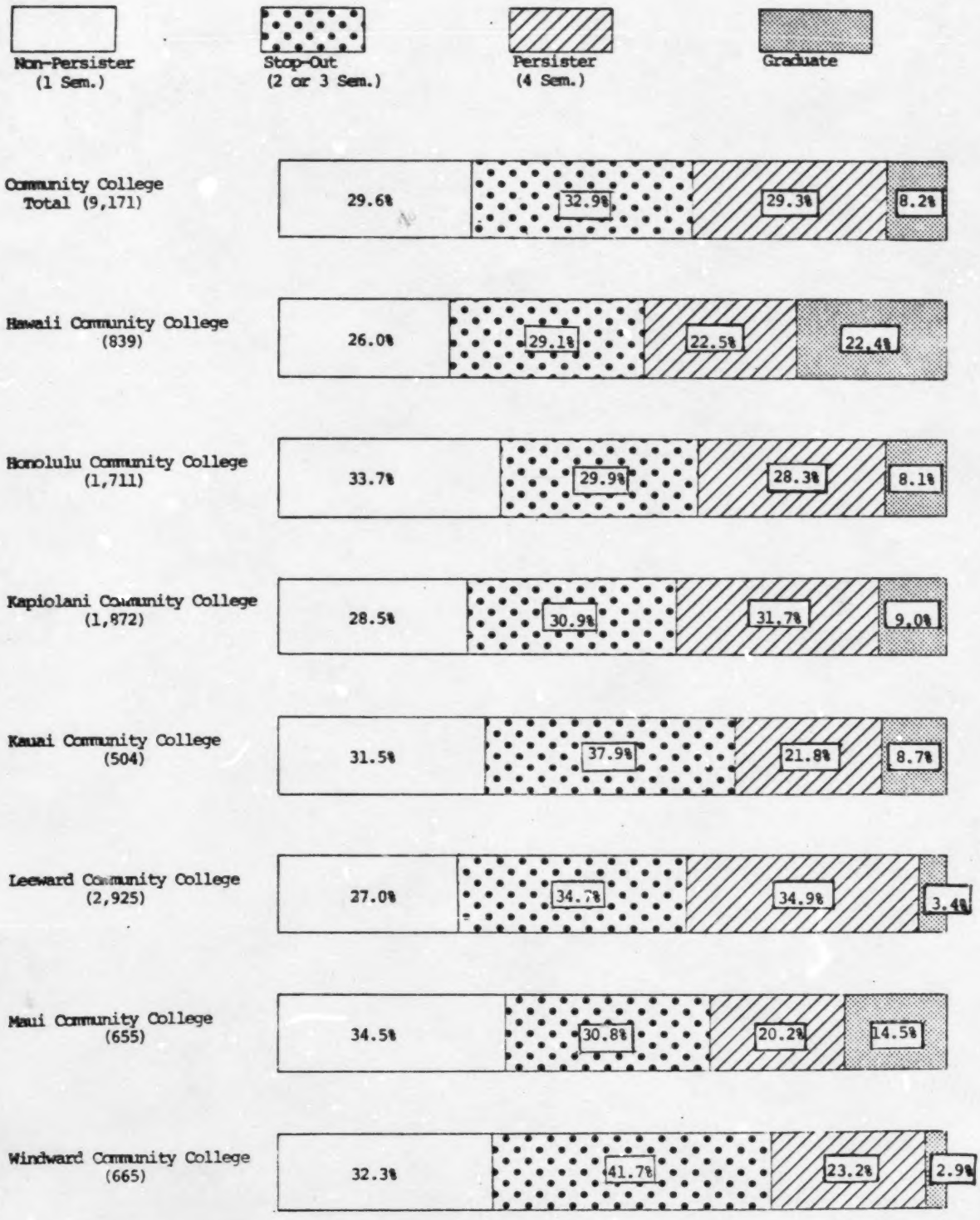
While the community colleges on the Neighbor Islands tended to have higher graduation rates than their Oahu counterparts, the relatively high persister rates on Oahu will probably result in an increased graduation rate at the end of six semesters. (See Figure 1 for campus data.)

TABLE 1
PERSISTENCE RATES, BY CAMPUS
COMMUNITY COLLEGE TOTAL

CAMPUS	ATTDTYPE / COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
		1	2	3	4	9	
HONOLULU CC	0	577	336	176	484	138	1711
		33.7	19.6	10.3	28.3	8.1	18.7
KAPIOLANI CC	1	533	389	189	593	168	1872
		28.5	20.8	10.1	31.7	9.0	20.4
LEEWARD CC	2	791	689	325	1021	99	2925
		27.0	23.6	11.1	34.9	3.4	31.9
KAUAI CC	3	159	142	49	110	44	504
		31.5	28.2	9.7	21.8	8.7	5.5
MAUI CC	4	226	148	54	132	95	655
		34.5	22.6	8.2	20.2	14.5	7.1
HAWAII CC	5	218	157	87	189	188	839
		26.0	18.7	10.4	22.5	22.4	9.1
WINDWARD CC	6	215	178	99	154	19	665
		32.3	26.8	14.9	23.2	2.9	7.3
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 504.95825 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

FIGURE 1
CATEGORIES OF PERSISTENCE, BY CAMPUS



An analysis of stop-outs, based on continuing/non-continuing status in Spring 1976, is presented in Table 2. While the stop-out rate was 33 percent for the community college total, the range was 29 percent at Hawaii to 42 percent at Windward. Of the 3,018 stop-outs, only 321 were enrolled in the Spring 1976 semester. Some of the stop-outs will probably graduate from the community colleges by the end of six semesters.

TABLE 2
STOP-OUTS, BY CAMPUS

Campus	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total	9,171	3,018	33%	321	2,697
Hawaii CC	839	244	29%	34	210
Honolulu CC	1,711	512	30%	51	461
Kapiolani CC	1,872	578	31%	52	526
Kauai CC	504	191	38%	24	167
Leeward CC	2,925	1,014	35%	101	913
Maui CC	655	202	31%	26	176
Windward CC	665	277	42%	33	244

Students in all seven community colleges had statistically significant differences in their persistence patterns on the following characteristics: age, full- or part-time status, educational objective, program, cumulative grade point average, credit-completion ratio. (Appendix A) Table 3 was prepared to summarize these differences.

TABLE 3
HIGHEST PERSISTENCE RATES FOR STUDENTS WHO ATTENDED ALL FOUR SEMESTERS
BY CAMPUS AND SELECTED CHARACTERISTICS

Characteristic	Hawaii CC	Honolulu CC	Kapiolani CC	Kauai CC	Leeward CC	Maui CC	Windward CC
Age	29% Over 29	38% Below 19	42% Below 19	26% Over 29	44% Below 19	24% Below 19; 25-29 yrs.	38% Over 29
Full- or Part-Time	27% Full-Time	42% Full-Time	44% Full-Time	35% Full-Time	53% Full-Time	26% Full-Time	32% Full-Time
Educational Objective	29% A.S.	41% A.S.	43% A.S.	43% Certificate	48% A.S.	36% A.S.	24% A.A.
Program	51% Public Svcs.[a]	38% Technology	42% Liberal Arts	38% Technology	54% Hotel Food Svcs.[a]	36% Business, Public Svcs.[a]	24% Liberal Arts
Grade Point Average	35% 2.0-2.9	41% 2.0-2.9	52% 2.0-2.9	33% 2.0-2.9	56% 2.0-2.9	35% 2.0-2.9	38% 2.0-2.9
Cr. Completion Ratio	49% .80-.89	60% .80-.89	64% .80-.89	50% .70-.79	62% .80-.89	41% .70-.79	50% .90-.99

[a]Enrolled under 50 students.

Persisters (students attending all four semesters) were found in high proportions among:

--the below 19 age group on 4 campuses and above 29 age group on 3 campuses

--full-time students on all 7 campuses (range: 26% at Maui to 53% at Leeward)

--students seeking the A.S. degree on 5 campuses

--students with majors in liberal arts at Kapiolani and Windward, hotel/food services at Leeward, public services at Hawaii and Maui, technology at Honolulu and Kauai

--students with grade point averages of 2.0-2.9 on all 7 campuses (range: 33% at Kauai to 56% at Leeward)

--students with credit-completion ratios of at least .80 at 5 campuses.

Campuses also differed in their graduation rates, by student characteristics (Appendix A). Among the groups with the highest graduation rates were the following:

--full-time students on all 7 campuses (range: 7% at Leeward to 43% at Hawaii)

--students working for certificates on all 7 campuses (range: 30% at Kapiolani to 45% at Honolulu)

--students in health services at Hawaii, Kapiolani and Kauai; hotel/food services at Honolulu; public services at Leeward; technology at Maui; liberal arts at Windward

--students with grade point averages of 3.0-3.4 on 5 campuses and 3.5 and above at 2 campuses

--students with credit-completion ratios of .90-.99 at all 7 community colleges (range: 14% at Leeward to 55% at Hawaii).

C. Findings: Campus, by Program

This section summarizes the results of our analysis of persistence for each program which enrolled a minimum of 50 students from the Fall 1974 entering group. This resulted in the omission of the following programs from our analysis:

Hawaii Community College	health services (40), hotel/food services (32), public services (39)
Honolulu Community College	hotel/food services (14)

Kapiolani Community College	none
Kauai Community College	health services (14), public services (11)
Leeward Community College	hotel/food services (35)
Maui Community College	health services (5), public services (22)
Windward Community College	business (4)

However, data for all programs, including those above, are available in our computer tables which will be sent to the Dean of Students on each campus.

We have also set 20 students as the minimum for including details on the various categories of persistence (one semester only, four semesters, graduates). For example, if a program (having at least 50 students from the Fall 1974 group) had only 15 graduates, no details, by characteristics, will be provided in this report. Such data are included in the computer tables which will be available at each campus.

We have set these minima in order to enable meaningful (and manageable) analysis. When numbers are very low, percentage distributions, by characteristics, can be misleading.

Detailed tables for each campus, by program, for students who were non-persisters (attended one semester only), *persisters (attended all four semesters)* and graduates are included in Appendix C.

1. Hawaii Community College (839 entering students)

Four programs had large enrollments—liberal arts, business, technology and unclassified students. Data in Table 4 indicate that:

—There was a statistically significant difference in persistence rates, by program.

—22 percent of the entering group were graduates; persisters, 23 percent; non-persisters, 26 percent.

—The health services program had the highest proportion of graduates among the entering group (83 percent).

—The programs with the highest proportions of persisters were public services (51 percent) and business (32 percent).

—Of the four programs having large enrollments, business and technology had high rates for persisters and graduates (business, 32 percent, persisters and 30 percent, graduates; technology, 22 percent, persisters and 49 percent, graduates).

TABLE 4
PERSISTENCE RATES, BY PROGRAM
HAWAII COMMUNITY COLLEGE

ATTDTYPE / ORGSTR	COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
		1	2	3	4	9	
60 LIBERAL ARTS		50	46	28	42	4	170
		29.4	27.1	16.5	24.7	2.4	20.3
62 BUSINESS		20	23	27	59	55	184
		10.9	12.5	14.7	32.1	29.9	21.9
64 HEALTH SERVICES		3	2	0	2	33	40
		7.5	5.0	0.0	5.0	82.5	4.8
66 HOTEL & FOOD SVS		8	5	3	9	7	32
		25.0	15.6	9.4	28.1	21.9	3.8
72 PUBLIC SERVICES		8	6	4	20	1	39
		20.5	15.4	10.3	51.3	2.6	4.6
74 TECHNOLOGY		23	20	11	39	88	181
		12.7	11.0	6.1	21.5	48.6	21.6
78 OTHER		106	55	14	16	0	193
		54.9	28.5	7.3	9.3	0.0	23.0
COLUMN TOTAL		218	157	87	189	188	839
		26.0	18.7	10.4	22.5	22.4	100.0

RAW CHI SQUARE = 394.01416 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

A summary of stop-outs, by program and continuing/non-continuing status in Spring 1976, is found in Table 5. The stop-out rate for Hawaii Community College was 29 percent, but the range was 5 percent in health services to 44 percent in liberal arts. Of the 244 stop-outs, only 34 were enrolled in Spring 1976.

TABLE 5
STOP-OUTS, BY PROGRAM
HAWAII COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total	839	244	29%	34	210
Liberal Arts	170	74	44%	16	58
Business	184	50	27%	6	44
Health Svcs.	40	2	5%	0	2
Hotel/Food Svcs.	32	8	25%	1	7
Public Svcs.	39	10	26%	2	8
Technology	181	31	17%	3	28
Unclassified	193	69	36%	6	63

Data in Appendix C-1 indicate that among the four programs with large enrollments, persistence rates differed significantly by:

—grade point average and credit-completion ratio for 4 programs

—full- or part-time status for 3 programs

—sex and high school background for 2 programs

—age and entry status for 1 program

—marital status and educational objective for no program.

a. Liberal Arts (170 entering students)

(1) Graduates: 4 (2 percent)

(2) Persisters: 42 (25 percent)

High proportions of the following groups were persisters:

--public high school graduates, Oahu, and GED students

--full-time students (43 percent)

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (53 percent)

(3) Non-persisters: 50 (29 percent)

Non-persisters were found in high proportions in the following groups:

--high school graduates from Hawaii's private schools (53 percent) and Mainland/U.S. Possession schools (58 percent)

--part-time students

--students with grade point averages below 2.0 or 3.5 and above.

--students with below .50 credit-completion ratios.

b. Business (184 entering students)

(1) Graduates: 55 (30 percent)

High proportions of the following groups were graduates:

--female students

--students 19-24 years old

--transfer students

--full-time students

--students with grade point averages of 3.0 and above

--students with credit-completion ratios of 1.00 (63 percent) or .90-.99.

(2) Persisters: 59 (32 percent)

High proportions of the following groups were persisters:

--male students

--students over 29 years of age (57 percent)

--new students

--part-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (63 percent).

(3) Non-persisters: 20 (11 percent)

c. Technology (181 entering students)

(1) Graduates: 88 (49 percent)

High proportions of the following groups wre graduates:

--public high school graduates, Neighbor Islands

--full-time students

--students with grade point averages of 3.5 and above (73 percent)

--students with credit-completion ratios of 1.00 or .90-.99.

(2) Persisters: 39 (22 percent)

High proportions of the following groups were persisters:

--students with 2.0-2.9 grade point averages

--students with .70-.79 (58 percent) or .80-.89 credit-completion ratios.

(3) Non-persisters: 23 (13 percent)

d. Unclassified Students (193 entering students)

(1) Graduates: 0

(2) Persisters: 18 (9 percent)

(3) Non-persisters: 106 (55 percent)

High proportions of the following groups were non-persisters:

—female students

—students with grade point averages below 2.0 (73 percent)

—students with credit-completion ratios below .50.

2. Honolulu Community College (1,711 entering students)

Large numbers of entering students were concentrated in technology (588), the unclassified group (466) and liberal arts (457). The data in Table 6 show that:

—There was a statistically significant difference in persistence rates, by program.

—8 percent of entering students were graduates; 28 percent, persisters; 34 percent, non-persisters.

—Graduates were found in high proportions among majors in hotel/food services and technology.

—The programs with high proportions of persisters were technology, hotel/food services and public services.

—A large majority of the unclassified group (64 percent) were non-persisters.

TABLE 6
PERSISTENCE RATES, BY PROGRAM
HONOLULU COMMUNITY COLLEGE

	ATTD TYPE					
COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
ORGSTR						
59	1	0	0	0	0	1
NO DATA	100.0	0.0	0.0	0.0	0.0	0.1
60	128	100	60	154	15	457
LIBERAL ARTS	28.0	21.9	13.1	33.7	3.3	26.7
66	3	2	1	5	3	14
HOTEL & FOOD SVS	21.4	14.3	7.1	35.7	21.4	0.8
72	36	39	28	65	17	185
PUBLIC SERVICES	19.5	21.1	15.1	35.1	9.2	10.8
74	113	95	57	222	101	588
TECHNOLOGY	19.2	16.2	9.7	37.8	17.2	34.4
78	296	100	30	38	2	466
OTHER	63.5	21.5	6.4	8.2	0.4	27.2
COLUMN TOTAL	577	336	176	484	138	1711
	33.7	19.6	10.3	28.3	8.1	100.0

RAW CHI SQUARE = 402.44238 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

A summary of stop-outs, by program and continuing/non-continuing status in Spring 1976, is given in Table 7. The stop-out rate was 30 percent, ranging from 21 percent in hotel/food services to 36 percent in public services. Of the 512 stop-outs, 51 attended the Spring 1976 semester.

TABLE 7
STOP-OUTS, BY PROGRAM
HONOLULU COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total[a]	1,711	512	30%	51	461
Liberal Arts	457	160	35%	11	149
Hotel/Food Svcs.	14	3	21%	0	3
Public Svcs.	185	67	36%	16	51
Technology	588	152	26%	15	137
Unclassified	466	130	28%	9	121

[a]Includes 1 student with "no data" on program who was a non-persister.

Data in Appendix C-2 indicate that among the four programs with large enrollments (liberal arts, public services, technology and unclassified students), persistence rates differed significantly by:

--full- or part-time status, grade point average and credit-completion ratio for 4 programs

--entry status for 3 programs

--sex for 2 programs

--high school background and educational objective for 1 program

--age and marital status for no program.

a. Liberal Arts (457 entering students)

(1) Graduates: 15 (3 percent)

(2) Persisters: 154 (34 percent)

High proportions of the following groups were persisters:

--full-time students (43 percent)

--students with grade point averages of 3.0-3.4 or 2.0-2.9

--students with credit-completion ratios of .80-.89 (60 percent) or .90-.99 (56 percent).

(3) Non-persisters: 128 (28 percent)

High proportions of the following groups were non-persisters:

--public high school graduates, Neighbor Islands

--part-time students

--students with grade point averages below 2.0 (52 percent)

--students with credit-completion ratios below .50.

b. Public Services (185 entering students)

(1) Graduates: 17 (9 percent)

(2) Persisters: 65 (35 percent)

High proportions of the following groups were persisters:

--new students

--full-time students (52 percent)

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (70 percent).

(3) Non-persisters: 36 (20 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with grade point averages below 2.0

--students with credit-completion ratios below .50 (35 percent).

c. Technology (588 entering students)

(1) Graduates: 101 (17 percent)

High proportions of the following groups were graduates:

--transfer students

--students seeking certificates (46 percent)

--students with grade point averages of 3.0 and above

--students with credit-completion ratios of .90-.99 (47 percent) or 1.00.

(2) Persisters: 222 (38 percent)

High proportions of the following groups were persisters:

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 2.0-2.9 (48 percent) or 3.0-3.4

--students with credit-completion ratios of .80-.89 (69 percent) or .60-.69.

(3) Non-persisters: 113 (19 percent)

High proportions of the following groups were non-persisters:

—female students,

—part-time students

—students with grade point averages below 2.0 (52 percent)

—students with credit-completion ratios below .50 (53 percent).

d. Unclassified Students (466 entering students)

(1) Graduates: 2 (less than 1 percent)

(2) Persisters: 38 (8 percent)

High proportions of the following groups were persisters:

--female students

--transfer students

--full-time students (17 percent)

--students with grade point averages of 3.0-3.4 or 2.0-2.9

--students with credit-completion ratios of .90-.99.

(3) Non-persisters: 296 (64 percent)

High proportions of the following groups were non-persisters:

—male students

--students with below 2.0 grade point averages (89 percent)

--students with below .50 credit-completion ratios.

3. Kapiolani Community College (1,872 entering students)

The majority of entering students enrolled in liberal arts (631) or business (635). The data in Table 8 indicate that:

—There was a statistically significant difference in persistence rates, by program.

—9 percent of entering students were graduates; 32 percent, persisters; 29 percent, non-persisters.

--Graduates were found in especially high proportions among majors in health services (45 percent).

—Persisters were found in high proportions in the liberal arts and business programs.

—About 3/4 of unclassified students were non-persisters.

TABLE 8
PERSISTENCE RATES, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE

ORGSTR	ATTDTYPE: 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
59 NO DATA	36	2	0	1	0	39
	92.3	5.1	0.0	2.6	0.0	2.1
60 LIBERAL ARTS	117	160	83	262	9	631
	18.5	25.4	13.2	41.5	1.4	33.7
62 BUSINESS	112	136	71	244	72	635
	17.6	21.4	11.2	38.4	11.3	33.9
64 HEALTH SERVICES	24	17	12	35	73	161
	14.9	10.6	7.5	21.7	45.3	8.6
66 HOTEL & FOOD SVS	14	21	11	34	13	93
	15.1	22.6	11.8	36.6	14.0	5.0
72 PUBLIC SERVICES	0	0	0	1	0	1
	0.0	0.0	0.0	100.0	0.0	0.1
78 OTHER	230	53	12	16	1	312
	73.7	17.0	3.8	5.1	0.3	16.7
COLUMN TOTAL	533	389	189	593	168	1872
	28.5	20.8	10.1	31.7	9.0	100.0

RAW CHI SQUARE = 819.50928 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

Data on stop-outs, by program and continuing/non-continuing status in Spring 1976, are found in Table 9. Kapiolani's stop-out rate was 31 percent, with a range from 18 percent in health services to 39 percent in liberal arts. Of the 578 stop-outs, only 52 were enrolled in Spring 1976.

TABLE 9
STOP-OUTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total[a]	1,872	578	31%	52	526
Liberal Arts	631	243	39%	16	227
Business	635	207	33%	22	185
Health Svcs.	161	29	18%	4	25
Hotel/Food Svcs.	93	32	34%	6	26
Unclassified	312	65	21%	4	61

[a]Includes 39 students with "no data" on program and 1 in public services; 2 were non-continuing students.

Data in Appendix C-3 indicate that among the five programs with large enrollments (liberal arts, business, health services, hotel/food services and unclassified students), persistence rates differed significantly by:

—full- or part-time status and credit-completion ratio for 5 programs

—grade point average for 4 programs

—age, high school background and entry status for 3 programs

—sex, marital status and educational objective for 2 programs.

a. Liberal Arts (631 entering students)

(1) Graduates: 9 (1 percent)

(2) Persisters: 262 (42 percent)

High proportions of the following groups were persisters:

--public high school graduates, Oahu, and other (GED) students

--full-time students

--students with grade point averages of 2.0-2.9 (65 percent)

--students with credit-completion ratios of .90-.99 (83 percent).

(3) Non-persisters: 117 (19 percent)

High proportions of the following groups were non-persisters:

--married students

--public high school graduates, Neighbor Islands

--part-time students

--students with grade point averages below 2.0 (37 percent)

--students with credit-completion ratios below .50 (43 percent).

b. Business (635 entering students)

(1) Graduates: 72 (11 percent)

High proportions of the following groups were graduates:

--female students

--public high school graduates, Neighbor Islands

--transfer students

--full-time students

--students seeking certificates

--students with grade point averages of 3.0 and above

--students with credit-completion ratios of .90-1.00 (28 percent).

(2) Persisters: 244 (38 percent)

High proportions of the following groups were persisters:

--students below 19 years of age

--public high school graduates, Oahu

--full-time students

--students seeking A.S. degrees

--students with grade point averages of 3.0-3.4 (57 percent) or 2.0-2.9

--students with credit-completion ratios of .70-.99 (.80-.89, 62 percent).

(3) Non-persisters: 112 (18 percent)

High proportions of the following groups were non-persisters:

--male students

--students 22-29 years of age

--foreign high school graduates

--transfer students

--part-time students

--students with grade point averages below 2.0 (36 percent)

--students with credit-completion ratios below .50 (44 percent).

c. Health Services (161 entering students)

(1) Graduates: 73 (45 percent)

High proportions of the following groups were graduates:

--female students

--full-time students

--students seeking certificates (66 percent)

--students with grade point averages of 3.0-3.4 (68 percent)

--students with credit-completion ratios of 1.00 (68 percent).

(2) Persisters: 35 (22 percent)

High proportions of the following groups were persisters:

--male students (45 percent)

--students seeking A.S. degrees

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (48 percent) or .70-.79.

(3) Non-persisters: 24 (15 percent)

High proportions of the following groups were non-persisters:

--male students

--students with grade point averages below 2.0 (61 percent)

—students with credit-completion ratios below .50 (57 percent).

d. Hotel/Food Services (93 entering students)

(1) Graduates: 13 (14 percent)

(2) Persisters: 34 (37 percent)

High proportions of the following groups were persisters:

--students below 19 years of age

--new students

--full-time students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .80-.89 (62 percent) or .60-.69.

(3) Non-persisters: 14 (15 percent)

e. Unclassified Students (312 entering students)

(1) Graduates: 1 (less than 1 percent)

(2) Persisters: 16 (5 percent)

(3) Non-persisters: 230 (74 percent)

High proportions of the following groups were non-persisters:

—students 25 years or older

—married students

—public high school graduates, Neighbor Islands (93 percent)

—transfer students

—students with below 2.0 grade point averages (84 percent)

—students with below .50 credit-completion ratios (87 percent).

4. Kauai Community College (504 entering students)

Close to half of the entering students were unclassified students (224). The data in Table 10 indicate that:

—There was a statistically significant difference in persistence rates, by program.

—9 percent of the entering students were graduates; 22 percent, persisters; 32 percent, non-persisters.

—Both technology and liberal arts had high proportions of graduates, as did health services.

—Persisters wre found in high proportions in all programs except the unclassified group.

—Non-persisters were found in high proportions in the public services program and among unclassified students.

TABLE 10
PERSISTENCE RATES, BY PROGRAM
KAUAI COMMUNITY COLLEGE

ORGSTR	ATTDTYPE 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
59 NO DATA	1	0	0	0	0	1
	100.0	0.0	0.0	0.0	0.0	0.2
60 LIBERAL ARTS	34	28	11	47	16	136
	25.0	20.6	8.1	34.6	11.8	27.0
62 BUSINESS	13	14	8	20	5	60
	21.7	23.3	13.3	33.3	8.3	11.9
64 HEALTH SERVICES	3	0	1	5	5	14
	21.4	0.0	7.1	35.7	35.7	2.8
72 PUBLIC SERVICES	6	0	0	4	1	11
	54.5	0.0	0.0	36.4	9.1	2.2
74 TECHNOLOGY	7	9	5	22	15	58
	12.1	15.5	8.6	37.9	25.9	11.5
78 OTHER	95	91	24	12	2	224
	42.4	40.6	10.7	5.4	0.9	44.4
COLUMN TOTAL	159	142	49	110	44	504
	31.5	28.2	9.7	21.8	8.7	100.0

RAW CHI SQUARE = 151.27074 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

Data on stop-outs, by program and continuing/non-continuing status in Spring 1976, are shown in Table 11. The stop-out rate was 38 percent, with a range from 0 in public services to 51 percent among unclassified students. Of the total 191 stop-outs, 24 were enrolled in Spring 1976.

TABLE 11
STOP-OUTS, BY PROGRAM
KAUAI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total[a]	504	191	38%	24	167
Liberal Arts	136	39	29%	7	32
Business	60	22	37%	2	20
Health Svcs.	14	1	7%	1	0
Public Svcs.	11	0	0%	--	--
Technology	58	14	24%	1	13
Unclassified	224	115	51%	13	102

[a]Includes 1 student with "no data" on program who was a non-persister.

The data in Appendix C-4 indicate that among the four programs with large enrollments (liberal arts, business, technology and unclassified students), persistence rates differed significantly by:

--credit-completion ratio for 4 programs

--grade point average for 3 programs

--age and marital status for 2 programs

--sex, high school background, entry status, educational objective for 1 program

--full- or part-time status for no program.

a. Liberal Arts (136 entering students)

(1) Graduates: 16 (12 percent)

(2) Persisters: 47 (35 percent)

High proportions of the following groups were persisters:

--male students

--students over 29 years of age (69 percent)

--married students

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .90-.99 (69 percent).

(3) Non-persisters: 34 (25 percent)

High proportions of the following groups were non-persisters:

--female students

--st dents 22-24 years old

--students with below 2.0 grade point averages (78 percent)

--students with below .50 credit-completion ratios (63 percent).

b. Business (60 entering students)

(1) Graduates: 5 (8 percent)

(2) Persisters: 20 (33 percent)

High proportions of the following groups were persisters:

--students with grade point averages of 2.0-2.9 (50 percent)

--students with credit-completion ratios of .70-.89 (67 percent).

(3) Non-persisters: 13 (22 percent)

c. Technology (58 entering students)

(1) Graduates: 15 (26 percent)

(2) Persisters: 22 (38 percent)

High proportions of the following groups were persisters:

--students seeking A.S. degrees

--students with credit-completion ratios of .70-.79 (100 percent).

(3) Non-persisters: 7 (12 percent)

d. Unclassified Students (224 entering students)

(1) Graduates: 2 (less than 1 percent)

(2) Persisters: 12 (5 percent)

(3) Non-persisters: 95 (42 percent)

High proportions of the following groups were non-persisters:

--students with below 2.0 grade point averages (75 percent)

--students with below .50 credit-completion ratios (68 percent).

5. Leeward Community College (2,925 entering students)

Over three-fourths of the entering students enrolled in the liberal arts program (1,856). The data in Table 12 show that:

—There was a statistically significant difference in persistence rates, by program.

—3 percent of entering students were graduates; 35 percent were persisters, and 27 percent were non-persisters.

—Graduates were found in high proportions in the public services program (15 percent) and business (8 percent).

—Persisters were found in high proportions among students in hotel/food services (54 percent), technology (47 percent) and business (45 percent).

—Three-fifths of the unclassified students were non-persisters.

TABLE 12
PERSISTENCE RATES, BY PROGRAM
LEEWARD COMMUNITY COLLEGE

ATTDTYPE						
COUNT / ROW PCT	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
	1	2	3	4	9	
ORGSTR 59	0	0	0	2	0	2
NO DATA	0.0	0.0	0.0	100.0	0.0	0.1
60	379	480	219	721	57	1856
LIBERAL ARTS	20.4	25.9	11.8	38.8	3.1	63.5
62	69	61	47	167	28	372
BUSINESS	18.5	16.4	12.6	44.9	7.5	12.7
66	8	2	4	19	2	35
HOTEL & FOOD SVS	22.9	5.7	11.4	54.3	5.7	1.2
72	9	11	4	21	8	53
PUBLIC SERVICES	17.0	20.8	7.5	39.6	15.1	1.8
74	26	21	18	61	4	130
TECHNOLOGY	20.0	16.2	13.8	46.9	3.1	4.4
78	300	114	33	30	0	477
OTHER	62.9	23.9	6.9	6.3	0.0	16.3
COLUMN TOTAL	791	689	325	1021	99	2925
	27.0	23.6	11.1	34.9	3.4	100.0

RAW CHI SQUARE = 503.77441 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

Data on stop-outs by program and continuing/non-continuing status in Spring 1976, are presented in Table 13. Leeward's stop-out rate was 35 percent, ranging from 17 percent in hotel/food services to 38 percent in liberal arts. Of the total 1,014 stop-outs, 101 were enrolled in Spring 1976.

TABLE 13
STOP-OUTS, BY PROGRAM
LEEWARD COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total[a]	2,925	1,014	35%	101	913
Liberal Arts	1,856	699	38%	70	629
Business	372	108	29%	14	94
Hotel/Food Svcs.	35	6	17%	2	4
Public Svcs.	53	15	28%	0	15
Technology	130	39	30%	3	36
Unclassified	477	147	31%	12	135

[a]Includes 2 students with "no data" on program; both were persisters.

Data in Appendix C-5 indicate that among the five programs with large enrollments (liberal arts, business, public services, technology and unclassified students), persistence rates differed significantly by:

--full- or part-time status and credit-completion ratio for 5 programs

--entry status and grade point average for 4 programs

--sex and age for 3 programs

--educational objective for 2 programs

--marital status and high school background for 1 program.

a. Liberal Arts (1,856 entering students)

(1) Graduates: 57 (3 percent)

High proportions of the following groups were graduates:

--female students

--students over 29 years of age

--high school graduates, U.S. Mainland

--transfer students

--full-time students

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of .90-.99 (14 percent).

(2) *Persisters: 721 (39 percent)*

High proportions of the following groups were persisters:

--students over 29 years of age (52 percent)

--public high school graduates, Neighbor Islands

--new students

--full-time students (52 percent)

--students with grade point averages of 2.0-2.9 (53 percent)

--students with credit-completion ratios of .90-.99 (70 percent).

(3) Non-persisters: 379 (20 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--GED students

--transfer students

--part-time students

--students with below 2.0 grade point averages (58 percent)

--students with below .50 credit-completion ratios.

b. Business (372 entering students)

(1) Graduates: 28 (8 percent)

High proportions of the following groups were graduates:

--students 19-24 years of age

--transfer students

--full-time students

--students seeking certificates (30 percent)

--students with grade point averages of 3.5 and above

--students with credit-completion ratios of 1.00 (20 percent).

(2) Persisters: 167 (45 percent)

High proportions of the following groups were persisters:

--male students

--students over 29 years of age (67 percent)

--full-time students

--students seeking A.A. degrees

--students with grade point averages of 3.0-3.4

--students with credit-completion ratios of .90-.99 (75 percent).

(3) Non-persisters: 69 (19 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years of age

--part-time students

--students with below 2.0 grade point averages (65 percent)

--students with below .50 credit-completion ratios.

c. Public Services (53 entering students)

(1) Graduates: 8 (15 percent)

(2) Persisters: 21 (40 percent)

High proportions of the following groups were persisters:

--male students

--full-time students (68 percent)

--students with credit-completion ratios of .60-.89 (75 percent).

(3) Non-persisters: 9 (17 percent)

d. Technology (130 entering students)

(1) Graduates: 4 (3 percent)

(2) Persisters: 61 (47 percent)

High proportions of the following groups were persisters:

--students over 29 years of age

--new students

--full-time students

--students with grade point averages of 2.0-2.9 (63 percent) and 3.0-3.4

--students with credit-completion ratios of .70-.79 (83 percent).

(3) Non-persisters: 26 (20 percent)

High proportions of the following groups were non-persisters:

--students 22-24 years old

--part-time students

--students with below 2.0 grade point averages (65 percent)

--students with below .50 credit-completion ratios

e. Unclassified Students (477 entering students)

(1) Graduates: 0

(2) Persisters: 30 (6 percent)

High proportions of the following groups were persisters:

--full-time students (40 percent)

--students with grade point averages of 2.0-3.4

--students with credit-completion ratios of .70-.99.

(3) Non-persisters: 300 (63 percent)

High proportions of the following groups were non-persisters:

--students with below 2.0 grade point averages (92 percent)

--students with credit-completion ratios of below .50 or 1.00.

6. Maui Community College (655 entering students)

Many students enrolled in the liberal arts (281), in business (129) or as unclassified students (139). The data in Table 14 indicate that:

—There was a statistically significant difference in persistence rates, by program.

—15 percent of entering students were graduates; 20 percent, persisters; 35 percent, non-persisters.

—Graduates were found in high proportions in the technology program (28 percent).

—Persisters were found in high proportions among students in business and in public services.

—Over three-fifths of unclassified students were non-persisters.

TABLE 14
PERSISTENCE RATES, BY PROGRAM
MAUI COMMUNITY COLLEGE

ORGSTR	ATTOTYPE: 1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
LIBERAL ARTS	76	72	24	61	48	281
	27.0	25.6	8.5	21.7	17.1	42.9
BUSINESS	27	19	15	46	22	129
	20.9	14.7	11.6	35.7	17.1	19.7
HEALTH SERVICES	0	1	1	2	1	5
	0.0	20.0	20.0	40.0	20.0	0.8
PUBLIC SERVICES	7	3	4	8	0	22
	31.8	13.6	18.2	36.4	0.0	3.4
TECHNOLOGY	28	15	3	11	22	79
	35.4	19.0	3.8	13.9	27.8	12.1
OTHER	88	38	7	4	2	139
	63.3	27.3	5.0	2.9	1.4	21.2
COLUMN TOTAL	226	148	54	132	95	655
	34.5	22.6	8.2	20.2	14.5	100.0

RAW CHI SQUARE = 135.76727 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

Data on stop-outs, by program and continuing/non-continuing status in Spring 1976, are found in Table 15. Maui's total stop-out rate was 31 percent, and its liberal arts program had a rate of 34 percent. Of the 202 stop-outs, 26 were enrolled in Spring 1976.

TABLE 15
STOP-OUTS, BY PROGRAM
MAUI COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total	655	202	31%	26	176
Liberal Arts	281	96	34%	12	84
Business	129	34	26%	3	31
Health Svcs.	5	2	40%	1	1
Public Svcs.	22	7	32%	2	5
Technology	79	18	23%	1	17
Unclassified	139	45	32%	7	38

Data in Appendix C-6 show that among the four programs with large enrollments (liberal arts, business, technology and unclassified students), persistence rates differed significantly by:

--grade point average and credit-completion ratio for 4 programs

--full- or part-time status for 3 programs

--age and high school background for 2 programs

--sex, marital status and educational objective for 1 program

--entry status for no program.

a. Liberal Arts (281 entering students)

(1) Graduates: 48 (17 percent)

High proportions of the following groups were graduates:

--students below 19 years of age

--public high school graduates, Neighbor Islands

--full-time students (27 percent)

--students with grade point averages of 3.0-3.4 (27 percent)

--students with credit-completion ratios of .80-.89 (37 percent).

(2) Persisters: 61 (22 percent)

High proportions of the following groups were persisters:

--male students

--students over 29 years (48 percent)

--married students

--private high school graduates, Hawaii

--students with grade point averages of 2.0-2.9

--students with credit-completion ratios of .70-.79 (48 percent).

(3) Non-persisters: 76 (27 percent)

High proportions of the following groups were non-persisters:

--students 19-24 years of age

--high school graduates, foreign countries and U.S. Mainland

--part-time students

--students with below 2.0 grade point averages (83 percent)

--students with below .50 credit-completion ratios (58 percent).

b. Business (129 entering students)

(1) Graduates: 22 (17 percent)

High proportions of the following groups were graduates:

--private high school graduates, Hawaii

--full-time students

--students seeking certificates

--students with grade point averages of 3.0 and above

--students with credit-completion ratios of 1.00 (41 percent).

(2) Persisters: 46 (36 percent)

High proportions of the following groups were persisters:

--private high school graduates, Hawaii

--students with grade point averages of 2.0-2.6

--students with credit-completion ratios of .80-.89 (63 percent).

(3) Non-persisters: 27 (21 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students seeking certificates

--students with below 2.0 grade point averages (61 percent)

--students with below .50 credit-completion ratios (59 percent).

c. Technology (79 entering students)

(1) Graduates: 22 (28 percent)

High proportions of the following groups were graduates:

--full-time students

--students seeking certificates (42 percent)

--students with grade point averages of 2.0-2.9 or 3.5 and above

--students with credit-completion ratios of .90-.99 (65 percent).

(2) Persisters: 11 (14 percent)

(3) Non-persisters: 28 (35 percent)

High proportions of the following groups were non-persisters:

--part-time students

--students with below 2.0 grade point averages (94 percent)

--students with below .50 credit-completion ratios (78 percent).

d. Unclassified Students (139 entering students)

(1) Graduates: 2 (1 percent)

(2) Persisters: 4 (3 percent)

(3) Non-persisters: 88 (63 percent)

High proportions of the following groups were non-persisters:

--students 19-21 years of age (83 percent)

--part-time students

--students with below 2.0 grade point averages (81 percent)

--students with below .50 credit-completion ratios (78 percent).

7. Windward Community College (665 entering students)

Most students were enrolled in liberal arts (562). The data in Table 16 show that:

—There was a statistically significant difference in persistence rates, by program.

—3 percent of entering students graduated; 23 percent were persisters; 32 percent were non-persisters.

—Two-fifths of unclassified students were non-persisters.

TABLE 16
PERSISTENCE RATES, BY PROGRAM
WINDWARD COMMUNITY COLLEGE

ORGSTR	ATTDTYPE	1 SEMESTER ONLY	2 SEMESTERS ONLY	3 SEMESTERS ONLY	4 SEMESTERS ONLY	GRADUATE	ROW TOTAL
		1	2	3	4	9	
NO DATA	59	5	0	0	0	0	5
		100.0	0.0	0.0	0.0	0.0	0.8
LIBERAL ARTS	60	169	149	93	132	19	562
		30.1	26.5	16.5	23.5	3.4	84.5
BUSINESS	62	2	0	0	2	0	4
		50.0	0.0	0.0	50.0	0.0	0.6
OTHER	78	39	29	6	20	0	94
		41.5	30.9	6.4	21.3	0.0	14.1
COLUMN TOTAL		215	178	99	154	19	665
		32.3	26.8	14.9	23.2	2.9	100.0

RAW CHI SQUARE = 26.80484 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0082

Data on stop-outs, by program and continuing/non-continuing status in Spring 1976, are shown in Table 17. Windward's stop-out rate was 42 percent, and of the total 277 stop-outs, 33 were enrolled in Spring 1976.

TABLE 17
STOP-OUTS, BY PROGRAM
WINDWARD COMMUNITY COLLEGE

Program	Entering Students	Stop-Outs			
		Total	H%	Spring 1976 Cont.	Spring 1976 Non-Cont.
Total[a]	665	277	42%	33	244
Liberal Arts	562	242	43%	31	211
Business	4	—	—	—	—
Unclassified	94	35	37%	2	33

[a]Includes 5 students with "no data" on program; all were non-persisters.

Data in Appendix C-7 indicate that programs differed significantly in persistence rates by:

—full- or part-time status, grade point average and credit-completion ratio for 2 programs

—age for 1 program

—sex, marital status, high school background, entry status and educational objective for no program.

a. Liberal Arts (562 entering students)

(1) Graduates: 19 (3 percent)

(2) Persisters: 132 (24 percent)

High proportions of the following groups were persisters:

--students over 29 years of age (39 percent)

--full-time students

--students with grade point averages of 2.0-2.9 (36 percent)

--students with credit-completion ratios of .90-.99 (46 percent).

(3) Non-persisters: 169 (30 percent)

High proportions of the following groups were persisters:

—students 19-21 years of age

—part-time students

—students with below 2.0 grade point averages (68 percent)

—students with below .50 credit-completion ratios (41 percent).

b. Unclassified Students (94 entering students)

(1) Graduates: 0

(2) Persisters: 20 (21 percent)

High proportions of the following groups were persisters:

--full-time students

--students with grade point averages of 2.0-2.9 (57 percent)

--students with credit-completion ratios of .90-.99 (100 percent).

(3) Non-persisters: 39 (42 percent)

High proportions of the following groups were non-persisters:

—part-time students

—students with below 2.0 grade point averages (83 percent)

—students with below .50 credit-completion ratios (57 percent).

D. Summary and Conclusion

There was a great volume of data to present in this report. We hope that the discussion of findings and the inclusion of tables in the Appendix provide the reader with an understanding and appreciation of the complexities and variety of persistence patterns in Hawaii's community colleges.

Our conclusions must necessarily be limited to the Fall 1974 entering group, for this analysis of persistence is the first of its kind for our community colleges.

1. Persistence Patterns: Comparison with California's Community Colleges

At the end of four semesters, our 9,171 entering students in Fall 1974 were in the following categories of persistence:

Graduates	751	8%
Persisters (attended all 4 semesters)	*2,683*	*29%*
Stop-outs (attended 2 or 3 semesters)	3,018	33%
Non-persisters (attended only 1 semester)	2,719	29%

A comparison of Hawaii's persistence patterns with those of California's community colleges indicates that:[2]

—Hawaii's graduation rate will exceed California's at the end of six semesters. (Hawaii's graduation rate is 8 percent at the end of four semesters; California's is 8 percent at the end of six semesters.)

—Hawaii's non-persister rate is lower than that of California. (The proportions of entering students who attended one semester only were 29 percent for Hawaii and 35 percent for California.)

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[2]California Postsecondary Education Commission, Final Report; Through the Open Door; A Study of Patterns of Enrollment and Performance in California's Community Colleges (February 1976).

The California study indicated that at the end of six semesters, its Fall 1972 entering students were distributed thus: 8 percent were graduates; 6 percent were still enrolled; 32 percent enrolled continuously for two or more terms; 19 percent had an "in and out" enrollment pattern, and 35 percent attended only one semester.

We will have another report next year which will analyze persistence patterns of the Fall 1974 entering group after six semesters. It will be interesting to compare Hawaii's community colleges with those of California on what proportion remained for six semesters and what proportion graduated.

2. Variations in Hawaii's Persistence Patterns

a. Community College Total

We found statistically significant differences in the persistence patterns of our Fall 1974 entering students on all 10 characteristics: sex, age, marital status, high school background, entry status, full-/part-time status, educational objective, program, grade point average and credit-completion ratio. To illustrate:

--A high proportion of health services majors were graduates; a high proportion of hotel/food services majors were persisters; a high proportion of unclassified students were non-persisters.

--A high proportion of full-time students were either persisters or graduates; a high proportion of part-time students were non-persisters.

--A high proportion of students who "succeeded" in the community colleges, as shown by grade point averages and credit-completion ratios, were persisters or graduates; a high proportion of "unsuccessful" students were non-persisters.

b. Campus, by Program

The seven community colleges differed significantly in their persistence patterns. For example, a high proportion of students at Hawaii Community College were graduates; a high proportion of Leeward's were persisters; a high proportion of Maui's were non-persisters. Furthermore, students in all seven community colleges had statistically significant differences in persistence patterns on six characteristics: age, full-/part-time status, educational objective, program, grade point average and credit-completion ratio.

An analysis of persistence patterns in program clusters enrolling a minimum of 50 entering students, by campus, shows great variation among programs on the same campus. An indication of this follows:

--At Hawaii Community College, the graduation rate for the campus was 22 percent, and the rates for the various programs were:

-- 2% liberal arts
--30% business
--49% technology

--At Leeward Community College, the persister rate for the campus was 35 percent, and the rates for the various programs were:

--39% liberal arts
--45% business
--40% public services
--47% technology
-- 6% unclassified students

--At Maui Community College, the non-persister rate for the campus was 35 percent, and the rates for the various programs were:

--27% liberal arts
--21% business
--35% technology
--63% unclassified students

In addition to these variations among programs on the same campus, there was great diversity in persistence patterns among students in similar programs on different campuses. Data on persistence patterns of students in the liberal arts are given below.

		Liberal Arts Only			
	Total Entering Group	Graduation Rate	Persister Rate	Stop-out Rate	Non-Persister Rate
Community College Total	4,093	4%	35%	38%	23%
Hawaii Community College	170	2%	25%	44%	29%
Honolulu Community College	457	3%	34%	35%	28%
Kapiolani Community College	631	1%	42%	39%	19%
Kauai Community College	136	12%	35%	29%	25%
Leeward Community College	1,856	3%	39%	38%	20%
Maui Community College	281	17%	22%	34%	27%
Windward Community College	562	3%	24%	43%	30%

It is apparent that liberal arts majors, in comparison to those in other colleges,

—had higher graduation rates at Kauai and Maui

—had higher persister rates at Kapiolani and Leeward

—had higher stop-out rates at Hawaii and Windward

—had higher non-persister rates at Hawaii, Honolulu, Maui and Windward.

Similar comparisons can be made for students majoring in vocational education, by program clusters.

3. Analysis of Hawaii's Variations

a. Differences in the persistence patterns of liberal arts majors and vocational education majors are expected because: (1) liberal arts majors oftentimes transfer to four-year institutions of higher education prior to graduation (A.A. degree) and (2) vocational education majors seek either certificates or A.S. degrees which are offered, in the main, by Hawaii's community colleges.

The Institutional Research Unit of the Office of the Chancellor for Community Colleges has gathered data on community college transfers to the Manoa Campus for a number of years. In Fall 1975, there were 899 community college students who transferred to the Manoa Campus. Only 40 percent of these transfers (356 students) were assigned junior class standing (55 credits or more). The remaining generally had fewer credits.

b. Noteworthy is the higher graduation rate for community colleges on the Neighbor Islands (especially Hawaii and Maui) compared to that of Oahu's campuses. However, the higher persister rates for Oahu's colleges will eventually lead to an increase in their graduation rates. Whether that rate on any of Oahu's campuses will approach Hawaii's graduation rate of 22 percent is rather doubtful.

c. The distribution of students, by the ten characteristics, shows variation among our campuses and undoubtedly affects persistence patterns but not always predictably. For example, colleges with high proportions of part-time students, of unclassified students, of students with low grade point averages and of students with low credit-completion ratios tend to have higher non-persister rates as illustrated below, particularly for Kauai and Windward community colleges (but not for Maui):

Campus	Percentages for: Part-Time Students	Unclassified Students	Below 2.0 GPA	Below .50 CCR	Non-Persister Rate
Total	60%	21%	24%	31%	30%
Hawaii CC	52%	23%	28%	25%	26%
Honolulu CC	54%	27%	27%	31%	34%
Kapiolani CC	51%	17%	30%	29%	29%
Kauai CC	66%	44%	26%	27%	32%
Leeward CC	69%	16%	19%	33%	27%
Maui CC	52%	21%	19%	27%	35%
Windward CC	70%	14%	25%	42%	32%

Such characteristics as grade point average and credit-completion ratio may also be a reflection of campus practices. We found, for example, that the proportions of students receiving grade point averages of 3.5 and above was 21 percent for all community colleges, but the range was 28 percent at Windward to 14 percent for Kapiolani. While there may be differences in the "academic aptitude" of students on the various campuses, it is likely that their grading practices also vary. Another example are the practices which affect credit-completion ratios. The proportion of all students with below .50 CCR was 31 percent; the range among campuses was 42 percent at Windward to 25 percent at Hawaii.

Our observation on the relationship between persistence patterns and student characteristics is also shared by Alexander W. Astin in his book, Preventing Students from Dropping Out. He indicated that: "The range of actual dropout rates among the 358 institutions in this study is indeed remarkable: from a 3 percent low to an 81 percent high. ...In short, institutions vary widely in their actual dropout rates, and much of this variation can be attributed to the characteristics of their students at the time of college entry."[3] (underlining added)

Our findings are also generally in agreement with those of other studies of persistence:

—Dropouts showed a tendency to be enrolled for fewer than 12 units whereas persisters tended to be enrolled for 12 units or more per semester.[4]

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[3](San Francisco: Jossey-Bass Publishers, 1975), p. 110.

[4]J. R. Montgomery, Proceedings of the Research Conference on College Dropouts (Knoxville: University of Tennessee, 1964), p. 30.

—Potential dropouts were most likely to be low-ability males and to have lower education goals than persisters.[5]

—There was a significant difference in mean grade point average for persisters and non-persisters after one quarter.[6]

—The student's grade point average is strongly related to persistence, more so than any other variable in this study.[7]

—Students who enroll immediately after high school graduation or transfer at age 18 are much more likely to continue for more than one term and to graduate than students who do not enroll until they are over 21 years of age.[8]

d. It is obvious that an "in and out" pattern of enrollment is not uncommon among community college students. While 1/3 of our Fall 1974 entering students are stop-outs, we do not know the proportion of this group that had an "in and out" pattern. This may be an addition to our analysis at the end of six semesters.

Mercer County Community College in New Jersey developed a computerized tracking system to monitor student persistence for six semesters. Data from 1969 through 1973 indicated that an increasing number of students attended college for one semester and then dropped out for one or several semesters before returning. Approximately one-fourth of the dropouts of Fall 1973 and Spring 1974 indicated they planned to return at a later date.[9]

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[5]Donald L. Kester, "Nor Cal- An Impressive Achievement," Speech presented at the California Junior College Association Annual Convention (San Diego, 1970), p. 4.

[6]Mark Weigel, "A Comparison of Persisters and Non-Persisters in a Junior College," Paper presented at the EPDA Institute for Advanced Study in Student Personnel Work in Junior Colleges and Technical Institutes, (Columbia, University of Missouri, 1969-70), p. 8.

[7]Astin, op. cit., p. 107.

[8]California Postsecondary Education Commission, op. cit., p. 26.

[9]E. Timothy Lightfield, They Do Come Back! Student Attrition at the Community College (New Jersey: Mercer County Community College, August 1974).

Prince George's Community College in Maryland had a student flow study involving data from 1969-70 through 1973-74. That study indicated that: (1) three times as many of the students went straight through as those who moved in and out and (2) about half of the 445 stop-outs from the 1970 entering class returned after only one semester's absence and 95 returned after two semesters' absence.[10]

Our surveys of non-continuing students each semester for the Fall 1975 entering group also show that some non-continuing students intend to return to the community colleges--in the succeeding semester or in the near future.

It is obvious that our community colleges should continue their efforts to provide for an "in and out" pattern of enrollment.

e. It is important to reiterate that attrition per se is not "bad." Students enroll in the community colleges for many reasons: while some seek degrees or certificates, others (unclassified students) may accomplish their goals without graduation.

4. Limitations of This Study

Our persistence study of the Fall 1974 entering group relies only on data we have in our computer files. (Our study of the Fall 1975 group adds another dimension: surveys of non-continuing students each semester.) Consequently our focus has been on selected personal and academic characteristics of our students.

Some Mainland studies of persistence have included, in addition to some of our student characteristics, the following types of data, not all of which were found to be statistically significant:

--parental encouragement for college plans and importance of college to the student himself (Nor Cal study)

--education of parents, scores on ability tests, results on inventories assessing personality (Montgomery study)

--goals for college attendance and encouragement for college attendance (Weigel study)

--family setting, attitudes toward high school and college, attitudes about the value and purpose of education (James W. Trent and Leland L. Medsker, Beyond High School; A Psychosociological Study of 10,000 High School Graduates /San Francisco: Jossey-Bass, 1968/.)

Astin's comprehensive study resulted in the development of a worksheet for "predicting chances of dropping out using student variables." The worksheet provides regression weights for 64 variables out of the 175 items in his questionnaire.

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[10] Paul G. Larkin, Student Flow at the Community College (Prince George's Community College, 1974).

It is obvious that persistence studies vary greatly. It is likely that the value of our study would be enhanced had we been able to include more data on our entering students. This would have required special efforts because we have already extracted most of the data found in the Common Application Form for the University of Hawaii System as well as from the Student Personal History Form. Questions related to the socioeconomic backgrounds of students are not included in our forms nor are there provisions for indications of a student's motivations for seeking higher education. Furthermore, we do not have data in our files on high school grade point averages or on the results of aptitude or placement tests administered at the college or by the high school.

While we are aware of the limitations of our data, we are also cognizant of the significant relationships between persistence patterns and student characteristics included in our study. We do not intend to make predictions about persistence patterns, but the baseline data in this report may be used by campus personnel, in a preliminary fashion, as reflecting approximate probability levels for persistence.

5. Suggestions for the Next Report on Persistence

In addition to the suggestion already made in this report, that Hawaii's persistence patterns after six semesters be compared to those of California's community colleges, the following are proposed for consideration if time and resources permit:

a. The present categories of persistence should be retained for the 4-semester report on persistence but revised for the 6-semester report by using California's approach: attended one semester only, attended continuously 2 or more semesters, attended with an in and out pattern, attended all 6 semesters, graduated.

b. The persistence patterns of our students in developmental (remedial) courses should be studied. Of the 9,171 entering students in Fall 1974, there were 1,442 new students registered in at least one developmental course.

c. Data on other student characteristics, if available, should be added and used as a basis for analyzing persistence patterns: (1) Nelson-Denny Reading Test scores, (2) math scores on tests for placement purposes, and (3) high school grade point average.

The reader will note that the above suggestions rely chiefly on data that may already be available but not presently included in the computer files. The suggestion related to a change in persistence categories for the next report will require a revision in the computer program for this study.

6. Concluding Note

While the persistence study of the Fall 1974 entering group is planned to cover six semesters, that decision should be reconsidered next year. If many students are still enrolled in the sixth semester, without achieving graduation, it may be valuable to study the persistence patterns of these students over a longer period of time. In addition, a survey of these students might be conducted to obtain information on their goals for attending the community colleges and on other matters of interest.

This study of the Fall 1974 entering group was undertaken on an experimental basis to develop the basic computer series on persistence for the Student Flow Project as well as to furnish opportunity for an analysis of persistence. These two purposes have been partially realized: the first with the preparation of Reports 6 and 11 on students at the end of the third and fourth semesters; the second with the preparation of this report. Two more will be prepared next year to conclude this three-year longitudinal study.

APPENDIX A

PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY CAMPUS AND CHARACTERISTICS

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus.
"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(9,171) Comm Coll Total			(839) Hawaii CC			(1,711) Honolulu CC			(1,872) Kapiolani CC			(504) Kauai CC			(2,925) Leeward CC			(655) Maui CC			(665) Windward CC		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(2719)	(2683)	(751)	(218)	(189)	(188)	(577)	(484)	(138)	(533)	(593)	(168)	(159)	(110)	(44)	(791)	(1021)	(99)	(226)	(132)	(95)	(215)	(154)	(19)
Percent	30%	29%	8%	26%	22%	22%	34%	28%	8%	29%	32%	9%	32%	22%	9%	27%	35%	3%	35%	20%	15%	32%	23%	3%
Sex		***			***			***			***			**			***				*		
Female	32%	26%	9%	30%	17%	25%	42%	21%	6%	30%	30%	12%	35%	15%	7%	28%	32%	5%	33%	19%	14%	38%	20%	3%
Male	27%	33%	7%	22%	28%	20%	30%	32%	10%	27%	35%	4%	27%	30%	11%	26%	38%	2%	36%	21%	15%	27%	27%	3%
Age		***			***			***			***			**			***			***			**	
Below 19	20%	37%	9%	19%	26%	25%	25%	38%	10%	16%	42%	8%	22%	24%	10%	17%	44%	2%	26%	24%	20%	29%	22%	4%
19-21	34%	20%	10%	34%	11%	27%	29%	26%	11%	34%	21%	12%	33%	18%	13%	35%	23%	3%	43%	12%	12%	43%	9%	1%
22-24	41%	18%	9%	35%	19%	20%	33%	24%	9%	44%	19%	10%	44%	13%	9%	47%	13%	5%	46%	14%	11%	35%	19%	4%
25-29	38%	23%	5%	33%	22%	14%	41%	24%	6%	45%	18%	7%	40%	21%	5%	36%	26%	3%	32%	24%	7%	34%	23%	2%
Over 29	38%	30%	6%	35%	29%	11%	45%	22%	4%	56%	18%	9%	36%	26%	6%	28%	40%	5%	48%	19%	7%	30%	18%	2%
Marital Status		***			*			***			***			**			***						
Single	26%	31%	9%	24%	22%	24%	29%	32%	10%	23%	35%	9%	30%	20%	10%	24%	37%	3%	32%	20%	17%	33%	20%	3%
Married	37%	27%	6%	31%	27%	16%	41%	22%	5%	52%	17%	8%	29%	29%	6%	32%	33%	4%	43%	19%	7%	31%	23%	2%
Other	46%	19%	9%	47%	12%	24%	44%	20%	3%	50%	18%	17%	59%	14%	9%	47%	18%	5%	33%	22%	11%	36%	36%	8%
High Sch Backgr		***			***			***			***			***			***			***				
Public, Oahu	26%	35%	6%	33%	27%	15%	31%	32%	9%	23%	37%	8%	45%	24%	3%	24%	39%	3%	46%	8%	9%	32%	22%	3%
Public, Neighbor Is	26%	26%	17%	20%	24%	27%	36%	32%	10%	43%	16%	12%	20%	27%	11%	35%	39%	4%	27%	25%	18%	29%	43%	0%
Private, Hawaii	27%	32%	8%	28%	22%	20%	33%	32%	8%	24%	31%	7%	58%	0%	17%	25%	40%	3%	19%	35%	23%	24%	22%	5%
U.S. Main & Poss.	40%	16%	8%	48%	6%	13%	43%	11%	7%	41%	16%	14%	41%	15%	7%	36%	18%	7%	42%	13%	10%	37%	25%	3%
Foreign Countries	32%	29%	5%	36%	24%	12%	22%	36%	5%	40%	23%	9%	42%	26%	5%	24%	35%	1%	54%	13%	5%	20%	40%	0%
Other	39%	27%	5%	36%	27%	9%	36%	26%	3%	52%	15%	14%	60%	30%	10%	33%	35%	3%	67%	17%	0%	42%	17%	0%
Entry		***						**			***			***						**				
New	28%	32%	8%	26%	23%	22%	33%	30%	7%	25%	35%	8%	29%	25%	8%	25%	32%	2%	33%	23%	15%	31%	25%	3%
Transfer	36%	20%	10%	26%	16%	31%	35%	25%	12%	40%	19%	13%	39%	14%	10%	33%	23%	7%	40%	8%	13%	38%	15%	3%
Status		***			***			***			***			***			***			***			***	
Full-Time	14%	41%	17%	12%	27%	43%	16%	42%	15%	13%	44%	14%	20%	35%	15%	11%	53%	7%	19%	26%	27%	15%	32%	9%
Part-Time	40%	21%	3%	39%	19%	4%	49%	17%	2%	43%	20%	4%	38%	15%	5%	34%	27%	2%	49%	14%	3%	40%	40%	<1%
Educational Obj		***			***			***			***			***			***			***			**	
Certificate	15%	21%	35%	10%	19%	44%	6%	19%	45%	16%	22%	30%	7%	43%	36%	13%	18%	33%	35%	4%	37%	b	b	b
A.S.	19%	40%	15%	14%	29%	37%	19%	41%	13%	17%	43%	11%	23%	37%	15%	20%	48%	4%	23%	36%	15%	--	--	--
A.A.	23%	35%	4%	29%	25%	2%	28%	33%	3%	19%	42%	1%	26%	34%	12%	20%	39%	3%	27%	22%	17%	30%	24%	3%
Unclassified	61%	7%	<1%	54%	8%	1%	63%	8%	<1%	76%	5%	<1%	42%	5%	1%	63%	6%	0%	64%	3%	1%	45%	20%	0%
Program		***			***			***			***			***			***			**				
Liberal Arts	23%	35%	4%	29%	25%	2%	28%	34%	3%	19%	42%	1%	25%	35%	12%	20%	39%	3%	27%	22%	17%	30%	24%	3%
Business	18%	39%	13%	11%	32%	30%	--	--	--	18%	38%	11%	22%	33%	8%	19%	45%	8%	21%	36%	17%	b	b	b
Health Services	14%	20%	51%	8%	5%	83%	--	--	--	15%	22%	45%	21%	36%	36%	--	--	--	b	b	b	--	--	--
Hotel/Food Services	19%	39%	14%	25%	28%	22%	21%	36%	21%	15%	37%	14%	--	--	--	23%	54%	6%	--	--	--	--	--	--
Public Services	21%	38%	9%	21%	51%	3%	20%	35%	9%	--	--	--	55%	36%	9%	17%	40%	15%	32%	36%	0%	--	--	--
Technology	19%	34%	22%	13%	22%	49%	19%	38%	17%	--	--	--	12%	38%	26%	20%	47%	3%	35%	14%	28%	--	--	--
Unclassified	61%	7%	<1%	55%	9%	0%	64%	8%	<1%	74%	5%	<1%	42%	5%	1%	63%	6%	0%	63%	3%	1%	42%	21%	0%
Grade Point Ave		***			***			***			***			***			***			***			***	
3.5 & above	30%	21%	12%	33%	10%	31%	29%	19%	13%	36%	21%	13%	26%	17%	11%	28%	27%	6%	29%	14%	18%	27%	22%	5%
3.0-3.4	22%	33%	13%	17%	19%	34%	25%	32%	15%	24%	37%	17%	27%	24%	16%	18%	40%	5%	29%	18%	22%	16%	31%	3%
2.0-2.9	14%	45%	8%	12%	35%	28%	20%	41%	7%	12%	52%	10%	16%	33%	8%	12%	50%	2%	16%	35%	14%	14%	38%	3%
Below 2.0	59%	11%	<1%	44%	19%	1%	60%	18%	0%	48%	9%	<1%	61%	9%	3%	66%	9%	<1%	81%	4%	0%	71%	4%	0%
Cr Completion Ratio		***			***			***			***			***			***			***			***	
1.00	39%	17%	15%	29%	11%	36%	42%	17%	12%	39%	20%	20%	31%	12%	10%	41%	21%	7%	44%	8%	18%	35%	19%	6%
.90-.99	2%	54%	28%	4%	28%	55%	1%	48%	33%	1%	63%	22%	6%	44%	44%	1%	70%	14%	5%	31%	41%	3%	58%	20%
.80-.89	6%	57%	11%	2%	49%	29%	6%	60%	12%	4%	64%	8%	7%	43%	14%	4%	62%	5%	16%	38%	27%	16%	41%	5%
.70-.79	10%	51%	4%	17%	42%	11%	14%	48%	3%	6%	53%	3%	3%	50%	9%	9%	58%	3%	4%	41%	9%	14%	37%	4%
.60-.69	10%	42%	3%	5%	33%	12%	9%	46%	1%	9%	48%	5%	15%	42%	3%	10%	43%	<1%	11%	40%	2%	22%	26%	0%
.50-.59	18%	32%	<1%	10%	31%	4%	18%	34%	0%	14%	27%	1%	31%	31%	0%	15%	38%	0%	21%	29%	0%	30%	22%	0%
Below .50	50%	15%	<1%	51%	15%	1%	56%	15%	<1%	55%	9%	0%	59%	7%	1%	43%	13%	<1%	64%	8%	1%	44%	16%	0%

a/ Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

b/ No percentage given; entering group was 5 or fewer.

APPENDIX A
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY CAMPUS AND CHARACTERISTICS

APPENDIX B

DETAILED TABLES ON PERSISTENCE
COMMUNITY COLLEGE TOTAL

SEX BY ATTDTYPE TYPE OF ATTENDANCE

SEX	COUNT / ROW PCT	1 1 SEMEST ER ONLY	2 2 SEMEST ER ONLY	3 3 SEMEST ER ONLY	4 4 SEMEST ER ONLY	9 GRADUATE	ROW TOTAL
NO DATA	0	2	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0
FEMALE	1	1437	1028	463	1145	422	4495
		32.0	22.9	10.3	25.5	9.4	49.0
MALE	2	1280	1011	516	1538	329	4674
		27.4	21.6	11.0	32.9	7.0	51.0
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 82.45253 WITH 8 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

AGEGRP AGE GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

AGEGRP	COUNT / ROW PCT	1 1 SEMEST ER ONLY	2 2 SEMEST ER ONLY	3 3 SEMEST ER ONLY	4 4 SEMEST ER ONLY	9 GRADUATE	ROW TOTAL
NO DATA	0	2	0	0	0	0	2
		100.0	0.0	0.0	0.0	0.0	0.0
BELOW 19	1	804	924	468	1480	368	4044
		19.9	22.8	11.6	36.6	9.1	44.1
19 -- 21	2	565	414	172	332	160	1643
		34.4	25.2	10.5	20.2	9.7	17.9
22 -- 24	3	361	194	92	158	80	885
		40.8	21.9	10.4	17.9	9.0	9.6
25 -- 29	4	372	205	123	228	52	980
		38.0	20.9	12.6	23.3	5.3	10.7
OVER 29	5	615	302	124	485	91	1617
		38.0	18.7	7.7	30.0	5.6	17.6
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 487.58667 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

MARSTAT MARITAL STATUS BY ATTDTYPE TYPE OF ATTENDANCE

MARSTAT	COUNT / ROW PCT	1 1 SEMEST ER ONLY	2 2 SEMEST ER ONLY	3 3 SEMEST ER ONLY	4 4 SEMEST ER ONLY	9 GRADUATE	ROW TOTAL
NO DATA	0	4	0	0	0	0	4
		100.0	0.0	0.0	0.0	0.0	0.0
SINGLE	1	1690	1487	721	1993	582	6473
		26.1	23.0	11.1	30.8	9.0	70.6
MARRIED	2	875	499	228	627	139	2368
		37.0	21.1	9.6	26.5	5.9	25.8
OTHER	3	150	53	30	63	30	326
		46.0	16.3	9.2	19.3	9.2	3.6
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 165.03123 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

HSGRP HIGH SCHOOL GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

HSGRP	COUNT / ROW PCT	1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
0		106	52	7	29	7	201
NO DATA		52.7	25.9	3.5	14.4	3.5	2.2
1		577	436	234	758	128	2133
PUBLIC HONOLULU		27.1	20.4	11.0	35.5	6.0	23.3
2		392	368	192	619	78	1649
PUBLIC LEE & CEN		23.8	22.3	11.6	37.5	4.7	18.0
3		200	159	92	177	49	677
PUBLIC WINDWARD		29.5	23.5	13.6	26.1	7.2	7.4
4		183	119	84	176	154	716
PUBLIC HAWAII		25.6	16.6	11.7	24.6	21.5	7.8
5		99	110	32	112	46	399
PUBLIC KAUAI		24.8	27.6	8.0	28.1	11.5	4.4
6		151	105	46	137	84	523
PUBLIC MAUI		28.9	20.1	8.8	26.2	16.1	5.7
7		200	160	89	239	60	748
PRIVATE HI STATE		26.7	21.4	11.9	32.0	8.0	8.2
8		508	349	123	200	104	1284
U. S. MAINLAND		39.6	27.2	9.6	15.6	8.1	14.0
9		14	4	3	8	0	29
U. S. POSSESS		48.3	13.8	10.3	27.6	0.0	0.3
10		110	72	48	101	17	348
FOREIGN		31.6	20.7	13.8	29.0	4.9	3.8
11		179	105	29	127	24	464
OTHER		38.6	22.6	6.3	27.4	5.2	5.1
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 633.05273 WITH 44 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

ENTSTAT ENTERING STATUS BY ATTDTYPE TYPE OF ATTENDANCE

ENTSTAT	COUNT / ROW PCT	1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
1		1958	1561	745	2253	529	7046
NEW		27.8	22.2	10.6	32.0	7.5	76.8
2		761	478	234	430	222	2125
TRANSFER		35.8	22.5	11.0	20.2	10.4	23.2
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 129.96785 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

FPTIME FULL- OR PART-TIME STATUS BY ATTDTYPE TYPE OF ATTENDANCE

FPTIME	COUNT / ROW PCT	1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
1		509	674	377	1512	608	3680
FULLTIME		13.8	18.3	10.2	41.1	16.5	40.1
2		2210	1365	602	1171	143	5491
PARTTIME		40.2	24.9	11.0	21.3	2.6	59.9
COLUMN TOTAL		2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 1377.37231 WITH 4 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

EDOBJ EDUCATIONAL OBJECTIVE BY ATTDTYPE TYPE OF ATTENDANCE

EDOBJ	ATTDTYPE 1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
0 NO DATA	7	0	0	0	0	7
	100.0	0.0	0.0	0.0	0.0	0.1
4 OTHER	1211	498	128	138	8	1983
	61.1	25.1	6.5	7.0	0.4	21.6
5 CERTIFICATE	93	110	76	130	220	629
	14.8	17.5	12.1	20.7	35.0	6.9
7 ASSOC. SCIENCES	450	393	252	984	354	2433
	18.5	16.2	10.4	40.4	14.5	26.5
9 ASSOC. ARTS	958	1038	523	1431	169	4119
	23.3	25.2	12.7	34.7	4.1	44.9
COLUMN TOTAL	2719	2039	979	2683	751	9171
	29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 2404.85571 WITH 16 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

ORGSTR ORGANIZATIONAL STRUCTURE BY ATTDTYPE TYPE OF ATTENDANCE

ORGSTR	ATTDTYPE 1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
59 NO DATA	43	2	0	3	0	48
	89.6	4.2	0.0	6.3	0.0	0.5
60 LIBERAL ARTS	953	1035	518	1419	168	4093
	23.3	25.3	12.7	34.7	4.1	44.6
62 BUSINESS	243	253	168	538	182	1384
	17.6	18.3	12.1	38.9	13.2	15.1
64 HEALTH SERVICES	30	20	14	44	112	220
	13.6	9.1	6.4	20.0	50.9	2.4
66 HOTEL & FOOD SVS	33	30	19	67	25	174
	19.0	17.2	10.9	38.5	14.4	1.9
72 PUBLIC SERVICES	66	59	40	119	27	311
	21.2	19.0	12.9	38.3	8.7	3.4
74 TECHNOLOGY	197	160	94	355	230	1036
	19.0	15.4	9.1	34.3	22.2	11.3
78 OTHER	1154	480	126	138	7	1905
	60.6	25.2	6.6	7.2	0.4	20.8
COLUMN TOTAL	2719	2039	979	2683	751	9171
	29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 2469.33203 WITH 28 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

GPAGRP CUM GPA GROUPINGS BY ATTDTYPE TYPE OF ATTENDANCE

GPAGRP	ATTDTYPE 1 1 SEMESTER ONLY	2 2 SEMESTER ONLY	3 3 SEMESTER ONLY	4 4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
1 3.5 AND ABOVE	555	499	208	399	220	1881
	29.5	26.5	11.1	21.2	11.7	20.5
2 3.0 --- 3.4	438	464	200	671	268	2041
	21.5	22.7	9.8	32.9	13.1	22.3
3 2.0 --- 2.9	416	608	386	1359	253	3022
	13.8	20.1	12.8	45.0	8.4	33.0
4 BELOW 2.0	1310	468	185	254	10	2227
	58.8	21.0	8.3	11.4	0.4	24.3
COLUMN TOTAL	2719	2039	979	2683	751	9171
	29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 1792.49829 WITH 12 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

COMPRATE CREDIT COMPLETION RATIO BY ATTDTYPE TYPE OF ATTENDANCE

COMPRATE	COUNT / ROW PCT	ATTDTYPE 1 1 SEMESTER ONLY	2 SEMESTER ONLY	3 SEMESTER ONLY	4 SEMESTER ONLY	9 GRADUATE	ROW TOTAL
		1	2	3	4	9	
1.00	1	955	565	160	422	371	2473
		38.6	22.8	6.5	17.1	15.0	27.0
.90--.99	2	13	54	73	412	215	767
		1.7	7.0	9.5	53.7	28.0	8.4
.80--.89	3	57	152	98	537	105	949
		6.0	16.0	10.3	56.6	11.1	10.3
.70--.79	4	72	155	111	382	32	752
		9.6	20.6	14.8	50.8	4.3	8.2
.60--.69	5	70	189	112	282	17	670
		10.4	28.2	16.7	42.1	2.5	7.3
.50--.59	6	127	253	106	233	3	722
		17.6	35.0	14.7	32.3	0.4	7.9
BELOW .5	7	1425	671	319	415	8	2838
		50.2	23.6	11.2	14.6	0.3	30.9
	COLUMN TOTAL	2719	2039	979	2683	751	9171
		29.6	22.2	10.7	29.3	8.2	100.0

RAW CHI SQUARE = 3046.84985 WITH 24 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

APPENDIX C-1
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
HAWAII COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the health, hotel/food services, and public services programs are not included because enrollments were under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(170) Liberal Arts			(184) Business			(181) Technology			(193) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(50)	(42)	(4)[b]	(20)	(59)	(55)	(23)	(39)	(88)	(106)	(18)[b]	(0)
Percent	29%	25%	2%	11%	32%	30%	13%	22%	49%	55%	9%	--
Sex					*						*	
Female	30%	23%	--	11%	37%	35%	24%	6%	47%	63%	--	--
Male	29%	26%	--	12%	49%	12%	12%	23%	49%	43%	--	--
Age					**							
Below 19	26%	24%	--	8%	36%	29%	9%	23%	51%	47%	--	--
19-21	50%	12%	--	10%	17%	43%	21%	12%	52%	57%	--	--
22-24	37%	21%	--	17%	25%	42%	9%	32%	50%	66%	--	--
25-29	10%	45%	--	50%	13%	0%	8%	8%	46%	59%	--	--
Over 29	31%	31%	--	14%	57%	0%	50%[c]	33%[c]	0%[c]	52%	--	--
Marital Status												
Single	31%	21%	--	10%	32%	32%	11%	21%	49%	53%	--	--
Married	20%[c]	40%[c]	--	14%[c]	43%[c]	7%[c]	29%	24%	43%[c]	54%	--	--
Other	50%[c]	17%[c]	--	40%[c]	0%	40%[c]	0%	0%	100%[c]	83%	--	--
High Sch Backgr		***						**				
Public, Oahu	0%[c]	71%[c]	--	40%[c]	40%[c]	20%[c]	20%[c]	0%	40%[c]	54%	--	--
Public, Neighbor Is	23%	26%	--	11%	28%	32%	9%	23%	55%[c]	51%	--	--
Private, Hawaii	53%	13%	--	0%	44%[c]	33%[c]	22%[c]	11%[c]	33%[c]	46%	--	--
U.S. Main & Poss.	58%	0%	--	0%	40%[c]	20%[c]	20%	10%	30%	6%[b]	--	--
Foreign Countries	44%[c]	22%[c]	--	0%	60%[c]	20%[c]	0%	0%	0%	57%[c]	--	--
Other	23%	46%	--	11%	50%	22%	36%	29%	14%	55%	--	--
Entry					**							
New	28%	26%	--	10%	36%	29%	12%	21%	49%	55%	--	--
Transfer	40%	13%	--	17%	4%	39%	18%	24%	47%	50%	--	--
Status		**			**			***				
Full-Time	24%	41%	--	9%	28%	39%	9%	21%	55%	40%[c]	--	--
Part-Time	31%	19%	--	14%	41%	9%	29%	26%	16%	55%	--	--
Educational Obj												
Certificate	--	--	--	8%	26%	28%	11%	17%	56%	--	--	--
A.S.	--	--	--	12%	35%	30%	13%	22%	48%	--	--	--
A.A.	29%	25%	--	--	--	--	--	--	--	--	--	--
Unclassified	--	--	--	--	--	50%[c]	--	--	--	55%	--	--
Grade Point Ave		*			***			***			*	
3.5 & above	47%	12%	--	11%	15%	56%	3%	10%	73%	58%	--	--
3.0-3.4	22%	25%	--	13%	17%	50%	6%	19%	55%	32%	--	--
2.0-2.9	14%	37%	--	4%	42%	33%	5%	33%	52%	50%	--	--
Below 2.0	42%	17%	--	21%	33%	2%	52%	16%	0%	73%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	33%[c]	19%[c]	--	8%	18%	63%	6%	8%	72%	60%[c]	--	--
.90-.99	13%[c]	38%[c]	--	5%	23%	50%	0%	21%	71%	33%[c]	--	--
.80-.89	0%	53%	--	0%	63%	15%	0%	53%	35%	13%[c]	--	--
.70-.79	32%	32%	--	8%	54%	23%	8%	58%	17%	31%	--	--
.60-.69	6%	19%	--	0%	50%	11%	0%[c]	43%[c]	0%[c]	13%[c]	--	--
.50-.59	18%	24%	--	0%	36%	14%	0%[c]	20%[c]	0%[c]	14%[c]	--	--
Below .50	46%	19%	--	36%	18%	3%	59%	21%	0%	71%	--	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-2
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
HONOLULU COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the hotel/food services program are not included because enrollment was under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(457) Liberal Arts			(185) Public Services			(588) Technology			(466) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(128)	(164)	(15)[b]	(36)	(65)	(17)[b]	(113)	(232)	(101)	(296)	(38)	(2)[b]
Percent	28%	36%	3%	20%	35%	9%	19%	38%	17%	64%	8%	<1%
Sex								***			***	
Female	30%	33%	--	21%	36%	--	26%	22%	19%	60%	11%	--
Male	27%	34%	--	19%	39%	--	18%	41%	17%	68%	5%	--
Age												
Below 19	29%	35%	--	31%	33%	--	20%	43%	16%	73%	0%	--
19-21	33%	36%	--	8%	29%	--	14%	36%	21%	71%	2%	--
22-24	29%	29%	--	13%	44%	--	22%	32%	15%	63%	2%	--
25-29	20%	41%	--	14%	36%	--	22%	34%	12%	69%	6%	--
Over 29	18%	49%	--	20%	37%	--	22%	31%	18%	60%	12%	--
Marital Status												
Single	30%	31%	--	22%	36%	--	18%	39%	18%	71%	7%	--
Married	20%	40%	--	13%	37%	--	23%	33%	15%	61%	8%	--
Other	23%	54%	--	33%	17%	--	25%[c]	13%[c]	0%	57%	12%	--
High Sch Backgr		*										
Public, Oahu	28%	35%	--	22%	37%	--	19%	40%	18%	61%	9%	--
Public, Neighbor Is	43%	32%	--	25%	67%	--	20%	33%	20%	65%	15%	--
Private, Hawaii	24%	34%	--	11%	30%	--	22%	46%	11%	67%	11%	--
U.S. Main & Poss.	32%	18%	--	16%	16%	--	11%	28%	19%	68%	1%	--
Foreign Countries	9%	52%	--	0%	20%[c]	--	24%	29%	10%	53%	13%	--
Other	30%	37%	--	21%	43%	--	21%	30%	9%	54%	12%	--
Entry					**			**			**	
New	26%	36%	--	21%	40%	--	21%	39%	14%	64%	6%	--
Transfer	34%	28%	--	16%	25%	--	15%	35%	26%	62%	12%	--
Status		***			***			***			***	
Full-Time	19%	43%	--	10%	52%	--	15%	40%	21%	33%	17%	--
Part-Time	43%	19%	--	25%	25%	--	31%	33%	7%	64%	8%	--
Educational Obj								***				
Certificate	--	--	--	--	--	--	7%	19%	46%	--	--	--
A.S.	--	--	--	19%	37%	--	20%	42%	14%	--	--	--
A.A.	28%	34%	--	33%	20%	--	--	--	--	--	--	--
Unclassified	--	--	--	--	--	--	--	--	--	64%	8%	--
Grade Point Ave		***			*			***			***	
3.5 & above	13%	30%	--	16%	26%	--	7%	27%	38%	50%	10%	--
3.0-3.4	23%	41%	--	20%	37%	--	6%	41%	33%	52%	13%	--
2.0-2.9	19%	40%	--	11%	44%	--	11%	48%	12%	65%	12%	--
Below 2.0	52%	21%	--	31%	31%	--	52%	26%	9%	89%	0%	--
Cr Completion Ratio		***			***			***			***	
1.00	33%	22%	--	25%	25%	--	11%	28%	33%	64%	9%	--
.90-.99	0%	56%	--	0%	70%	--	0%	40%	47%	50%[c]	50%[c]	--
.80-.89	13%	80%	--	0%	44%	--	3%	69%	13%	13%[c]	13%[c]	--
.70-.79	17%	49%	--	18%	29%	--	8%	59%	4%	27%	27%	--
.60-.69	14%	43%	--	9%	46%	--	9%	63%	0%	0%	22%	--
.50-.59	14%	42%	--	10%	40%	--	5%	48%	0%	46%	4%	--
Below .50	45%	19%	--	35%	26%	--	53%	18%	1%	83%	2%	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-3

PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS KAPIOLANI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(631) Liberal Arts			(635) Business			(161) Health Services			(93) Hotel/Food Services			(312) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(117)	(282)	(9)[b]	(112)	(244)	(72)	(24)	(35)	(73)	(14)[b]	(34)	(13)[b]	(230)	(16)[b]	(1)[b]
Percent	19%	42%	1%	18%	38%	11%	15%	22%	45%	15%	37%	14%	74%	5%	<1%
Sex					***			*							
Female	21%	41%	--	16%	39%	14%	14%	18%	50%	—	46%	--	76%	--	--
Male	17%	43%	--	22%	38%	3%	20%	45%	15%	—	33%	--	70%	--	--
Age					***						*			***	
Below 19	17%	45%	--	13%	44%	13%	5%	26%	44%	—	55%	--	37%	--	--
19-21	23%	30%	--	25%	23%	12%	20%	22%	41%	—	23%	--	70%	--	--
22-24	29%	27%	--	33%	24%	4%	17%	30%	47%	—	13%[c]	--	76%	--	--
25-29	19%	36%	--	35%	24%	0%	25%	25%	35%	—	11%[c]	--	81%	--	--
Over 29	18%	55%	--	18%	50%	8%	10%	0%	67%	—	30%	--	85%	--	--
Marital Status		***												*	
Single	18%	42%	--	17%	38%	12%	13%	28%	40%	—	41%	--	65%	--	--
Married	25%	39%	--	20%	41%	3%	18%	5%	56%	—	13%	--	84%	--	--
Other	43%[c]	14%[c]	--	33%[c]	33%[c]	11%[c]	20%	20%	60%	—	50%[c]	--	71%	--	--
High Sch Backgr		*			**									*	
Public, Oahu	18%	45%	--	17%	41%	11%	15%	27%	42%	—	42%	--	62%	--	--
Public, Neighbor Is	36%	18%	--	19%	23%	20%	13%	33%	20%	—	43%[c]	--	93%	--	--
Private, Hawaii	16%	34%	--	24%	37%	5%	0%	33%	58%	—	27%	--	52%	--	--
U.S. Main & Poss	20%	40%	--	17%	25%	4%	22%	8%	54%	—	14%[c]	--	81%	--	--
Foreign	6%	19%	--	27%	41%	9%	0%	0%	100%[c]	—	25%[c]	--	84%	--	--
Other	18%	46%	--	25%[c]	25%[c]	13%[c]	25%[c]	0%	50%[c]	—	33%[c]	--	90%	--	--
Entry					**						*			*	
New	18%	43%	--	17%	42%	10%	14%	17%	51%	—	43%	--	70%	--	--
Transfer	27%	30%	--	23%	23%	17%	17%	28%	39%	—	6%	--	80%	--	--
Status		***			***			***			**			***	
Full-Time	13%	48%	--	11%	48%	14%	16%	21%	50%	—	44%	--	27%	--	--
Part-Time	27%	31%	--	25%	28%	8%	13%	26%	31%	—	19%	--	75%	--	--
Educational Obj					***			***							
Certificate	—	--	--	17%	28%	18%	14%	6%	66%	—	24%	--	—	--	--
A.S.	—	--	--	18%	44%	8%	16%	41%	22%	—	42%	--	—	--	--
A.A.	19%	42%	--	—	--	--	—	--	--	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	—	--	--	—	--	--	74%	--	--
Grade Point Ave		***			***			***			*				
3.5 & above	14%	33%	--	22%	30%	19%	11%	35%	54%	—	19%	--	70%	--	--
3.0-3.4	15%	54%	--	7%	57%	18%	6%	13%	68%	—	38%	--	69%	--	--
2.0-2.9	5%	65%	--	9%	53%	14%	7%	35%	39%	—	50%	--	62%	--	--
Below 2.0	37%	12%	--	36%	11%	1%	61%	4%	0%	—	29%	--	84%	--	--
Cr Completion Ratio		***			***			***			***			***	
1.00	19%	33%	—	15%	36%	29%	8%	15%	68%	—	28%	—	78%	--	—
.90-.99	0%	83%	—	1%	58%	28%	0%	48%	41%	—	27%	—	0%	--	—
.80-.89	1%	74%	—	5%	62%	10%	15%	23%	46%	—	62%	—	14%[c]	--	—
.70-.79	7%	56%	—	4%	59%	4%	0%[c]	50%[c]	17%[c]	—	39%	—	8%	--	—
.60-.69	7%	57%	—	4%	46%	11%	50%[c]	33%[c]	0%	—	80%[c]	—	20%	--	—
.50-.59	9%	28%	—	10%	35%	0%	14%[c]	0%	0%	—	43%[c]	—	47%	--	—
Below .50	43%	12%	—	44%	11%	0%	57%	5%	0%	—	10%	—	87%	--	—

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c]Percentage is based on fewer than 10 students.

APPENDIX C-4
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
KAUAI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the health services and public services programs are not included because enrollments were under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(136) Liberal Arts			(60) Business			(58) Technology			(224) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(34)	(47)	(16)[b]	(13)[b]	(20)	(5)[b]	(7)[b]	(23)	(15)[b]	(95)	(12)[b]	(2)[b]
Percent	25%	35%	12%	22%	33%	8%	12%	38%	26%	42%	5%	<1%
Sex		**										
Female	35%	21%	--	--	34%	--	--	0%[c]	--	40%	--	--
Male	18%	44%	--	--	30%	--	--	39%	--	46%	--	--
Age		**									***	
Below 19	30%	30%	--	--	37%	--	--	35%	--	22%	--	--
19-21	33%	21%	--	--	25%	--	--	27%	--	42%	--	--
22-24	46%	15%	--	--	33%[c]	--	--	40%[c]	--	48%	--	--
25-29	22%	30%	--	--	0%[c]	--	--	67%[c]	--	51%	--	--
Over 29	0%	69%	--	--	50%[c]	--	--	80%[c]	--	55%	--	--
Marital Status		**									*	
Single	32%	24%	--	--	33%	--	--	33%	--	38%	--	--
Married	7%	56%	--	--	40%	--	--	67%[c]	--	44%	--	--
Other	50%[c]	50%[c]	--	--	0%[c]	--	--	--	--	69%	--	--
High Sch Backgr											*	
Public, Oahu	22%[c]	44%[c]	--	--	0%[c]	--	--	67%[c]	--	57%	--	--
Public, Neighbor Is	18%	39%	--	--	36%	--	--	39%	--	30%	--	--
Private, Hawaii	33%[c]	0%[c]	--	--	0%[c]	--	--	--	--	71%[c]	--	--
U.S. Main & Poss.	32%	27%	--	--	25%[c]	--	--	0%[c]	--	48%	--	--
Foreign	40%	30%	--	--	50%[c]	--	--	100%[c]	--	60%[c]	--	--
Other	33%[c]	67%[c]	--	--	25%[c]	--	--	--	--	100%[c]	--	--
Entry											***	
New	23%	39%	--	--	34%	--	--	37%	--	40%	--	--
Transfer	30%	22%	--	--	30%	--	--	50%[c]	--	47%	--	--
Status												
Full-Time	25%	31%	--	--	38%	--	--	49%	--	25%	--	--
Part-Time	25%	39%	--	--	22%	--	--	24%	--	43%	--	--
Educational Obj								***				
Certificate	--	--	--	--	75%[c]	--	--	33%	--	--	--	--
A.S.	--	--	--	--	33%	--	--	47%	--	--	--	--
A.A.	25%	35%	--	--	--	--	--	--	--	--	--	--
Unclassified	--	--	--	--	--	--	--	--	--	42%	--	--
Grade Point Ave		***			***						***	
3.5 & above	17%	39%	--	--	33%	--	--	50%	--	29%	--	--
3.0-3.4	16%	31%	--	--	43%	--	--	46%	--	37%	--	--
2.0-2.9	13%	48%	--	--	50%	--	--	35%	--	30%	--	--
Below 2.0	78%	0%	--	--	13%	--	--	35%	--	75%	--	--
Cr Completion Ratio		***			***			**			***	
1.00	17%	24%	--	--	25%[c]	--	--	35%	--	38%	--	--
.90-.99	6%	69%	--	--	0%[c]	--	--	18%	--	--	--	--
.80-.89	12%	38%	--	--	67%[c]	--	--	80%[c]	--	9%	--	--
.70-.79	7%	53%	--	--	67%[c]	--	--	100%[c]	--	0%[c]	--	--
.60-.69	38%[c]	50%[c]	--	--	63%[c]	--	--	40%[c]	--	11%[c]	--	--
.50-.59	10%	50%	--	--	33%[c]	--	--	67%[c]	--	39%	--	--
Below .50	63%	6%	--	--	12%	--	--	21%	--	68%	--	--

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.
[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.
[c]Percentage is based on fewer than 10 students.

APPENDIX C-5
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
LEEWARD COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the hotel/food services program are not included because enrollment was under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(1,858) Liberal Arts			(372) Business			(53) Public Services			(130) Technology			(477) Unclassified		
	1 Sem	*4 Sem*	Grad	1 Sem	*4 Sem*	Grad	1 Sem	*4 Sem*	Grad	1 Sem	*4 Sem*	Grad	1 Sem	*4 Sem*	Grad
Number	(379)	*(721)*	(57)	(69)	*(187)*	(28)	(9)[b]	*(21)*	(8)[b]	(26)	*(81)*	(4)[b]	(300)	*(30)*	(0)
Percent	20%	*39%*	3%	19%	*45%*	8%	17%	*40%*	15%	20%	*47%*	3%	63%	*6%*	--
Sex		***			***			**							
Female	22%	*36%*	5%	21%	*36%*	10%	—	*24%*	--	18%	*36%*	--	60%	*8%*	--
Male	19%	*41%*	2%	15%	*56%*	4%	—	*58%*	--	20%	*48%*	--	66%	*4%*	--
Age		***			***						*				
Below 19	14%	*45%*	2%	19%	*44%*	6%	—	*33%*	--	16%	*59%*	--	68%	*8%*	--
19-21	32%	*33%*	2%	24%	*36%*	13%	—	*20%*[c]	--	30%	*44%*	--	66%	*7%*	--
22-24	42%	*18%*	4%	32%	*8%*	16%	—	*25%*[c]	--	33%	*8%*	--	72%	*7%*	--
25-29	26%	*35%*	3%	29%	*36%*	2%	—	*25%*[c]	--	15%	*39%*	--	61%	*4%*	--
Over 29	14%	*52%*	8%	9%	*67%*	7%	—	*57%*	--	11%	*61%*	--	59%	*7%*	--
Marital Status		**													
Single	20%	*39%*	2%	20%	*38%*	8%	—	*29%*	--	22%	*47%*	--	66%	*8%*	--
Married	21%	*41%*	5%	17%	*53%*	7%	—	*52%*	--	15%	*52%*	--	59%	*7%*	--
Other	33%	*19%*	8%	22%[c]	*56%*[c]	0%	—	*25%*[c]	--	0%	*20%*[c]	--	80%	*7%*	--
High Sch Backgr		***													
Public, Oahu	18%	*42%*	2%	20%	*44%*	6%	—	*41%*	--	20%	*48%*	--	66%	*8%*	--
Public, Neighbor Is	28%	*47%*	4%	16%	*56%*	4%	—	*14%*[c]	--	0%	*50%*[c]	--	73%	*8%*	--
Private, Hawaii	22%	*40%*	3%	5%	*80%*	5%	—	*80%*[c]	--	11%[c]	*56%*[c]	--	60%	*10%*	--
U.S. Main & Poss.	26%	*22%*	7%	11%	*40%*	22%	—	*13%*[c]	--	42%	*21%*	--	58%	*5%*	--
Foreign	21%	*33%*	2%	20%	*35%*	0%	—	--	--	0%	*83%*[c]	--	50%	*14%*	--
Other	30%	*36%*	4%	29%	*46%*	4%	—	*50%*[c]	--	0%	*60%*[c]	--	55%	*17%*	--
Entry		***			**			*			*				
New	18%	*43%*	2%	19%	*48%*	5%	—	*40%*	—	23%	*51%*	—	64%	*7%*	—
Transfer	29%	*25%*	7%	17%	*36%*	16%	—	*39%*	—	10%	*35%*	—	61%	*5%*	—
Status		***			***			***			*			***	
Full-Time	11%	*52%*	6%	8%	*52%*	14%	—	*68%*	—	10%	*57%*	—	13%	*40%*	—
Part-Time	26%	*31%*	2%	23%	*42%*	5%	—	*14%*	—	28%	*39%*	—	65%	*5%*	—
Educational Obj					***						***				
Certificate	—	--	—	11%	*21%*	30%	—	--	—	33%[c]	*0%*	—	—	--	—
A.S.	—	--	—	20%	*48%*	5%	—	*43%*	—	19%	*69%*	—	—	--	—
A.A.	20%	*39%*	3%	14%	*64%*	0%	—	—	—	—	--	—	—	--	—
Unclassified	—	--	—	—	--	—	—	--	—	—	--	—	63%	*6%*	—
Grade Point Ave		***			***						***			***	
3.5 & above	17%	*33%*	6%	15%	*41%*	13%	—	*42%*	—	22%	*33%*	—	58%	*8%*	—
3.0-3.4	11%	*42%*	5%	12%	*58%*	6%	—	*43%*	—	7%	*60%*	—	54%	*10%*	—
2.0-2.9	10%	*53%*	1%	4%	*53%*	8%	—	*50%*	—	5%	*63%*	—	48%	*10%*	—
Below 2.0	58%	*11%*	<1%	65%	*15%*	0%	—	*0%*[c]	—	65%	*8%*	—	92%	*0%*	—
Cr Completion Ratio		***			***			*			***			***	
1.00	25%	*26%*	7%	13%	*44%*	20%	—	*33%*	--	32%	*42%*	--	74%	*5%*	--
.90-.99	1%	*70%*	14%	0%	*75%*	11%	—	*50%*[c]	--	0%	*71%*	--	0%[c]	*50%*[c]	--
.80-.89	5%	*62%*	4%	2%	*69%*	10%	—	*75%*[c]	--	6%	*56%*	--	0%	*36%*	--
.70-.79	10%	*55%*	2%	3%	*69%*	7%	—	*75%*[c]	--	0%	*63%*	--	21%	*29%*	--
.60-.69	12%	*45%*	1%	4%	*52%*	0%	—	*75%*[c]	--	7%	*36%*	--	9%	*9%*	--
.50-.59	13%	*44%*	0%	20%	*44%*	0%	—	*40%*[c]	--	8%	*42%*	--	21%	*9%*	--
Below .50	35%	*23%*	1%	43%	*18%*	0%	—	*13%*	--	49%	*23%*	--	77%	*2%*	--

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b]No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c]Percentage is based on fewer than 10 students.

APPENDIX C-6
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED
BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
MAUI COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the health services and public services programs are not included, because enrollments were under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(281) Liberal Arts			(129) Business			(79) Technology			(139) Unclassified		
	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad	1 Sem	4 Sem	Grad
Number	(76)	(61)	(48)	(27)	(46)	(22)	(28)	(11)[b]	(22)	(88)	(4)[b]	(2)[b]
Percent	27%	22%	17%	21%	36%	17%	35%	14%	28%	63%	3%	1%
Sex		**										
Female	25%	18%	15%	22%	32%	20%	44%[c]	--	22%[c]	62%	--	--
Male	29%	25%	19%	18%	50%	7%	33%	--	29%	65%	--	--
Age		**									*	
Below 19	24%	21%	23%	15%	39%	19%	34%	--	32%	46%	--	--
19-21	37%	13%	14%	44%	26%	4%	42%[c]	--	17%[c]	83%	--	--
22-24	32%	9%	9%	15%[c]	31%	31%[c]	43%[c]	--	14%[c]	78%	--	--
25-29	29%	43%	5%	29%[c]	43%[c]	0%[c]	43%[c]	--	29%[c]	42%	--	--
Over 29	13%	48%	9%	17%[c]	33%[c]	33%[c]	17%[c]	--	33%[c]	76%	--	--
Marital Status		**										
Single	29%	19%	19%	19%	37%	18%	36%	--	28%	58%	--	--
Married	20%	37%	6%	29%	29%	14%	31%	--	23%	70%	--	--
Other	0%[c]	40%[c]	0%	0%	100%[c]	0%	50%[c]	--	50%	56%[c]	--	--
High Sch Backgr		**			*							
Public, Oahu	32%	11%	11%	67%[c]	33%[c]	0%	60%[c]	--	20%[c]	100%[c]	--	--
Public, Neighbor Is	19%	26%	25%	13%	39%	18%	35%[c]	--	28%[c]	58%	--	--
Private, Hawaii	23%	42%	15%	0%	55%	36%[c]	0%[c]	--	44%[c]	63%[c]	--	--
U.S. Main & Poss.	35%	15%	12%	38%[c]	25%[c]	13%[c]	50%[c]	--	50%[c]	56%	--	--
Foreign Countries	43%	14%	7%	29%[c]	43%[c]	0%	50%[c]	--	17%	83%	--	--
Other	50%[c]	33%[c]	0%	100%[c]	0%	0%	100%[c]	--	0%	75%[c]	--	--
Entry												
New	26%	26%	18%	20%	37%	17%	36%	--	29%[c]	63%	--	--
Transfer	31%	12%	14%	29%	21%	14%	33%[c]	--	22%[c]	65%	--	--
Status		***			***						***	
Full-Time	20%	22%	27%	10%	39%	24%	28%	--	36%	14%	--	--
Part-Time	37%	21%	3%	40%	30%	4%	50%	--	12%	66%	--	--
Educational Obj					*							
Certificate	—	--	--	55%	0%	27%	31%	--	42%	—	--	--
A.S.	—	--	--	17%	39%	16%	37%	--	17%	—	--	--
A.A.	27	22%	17%	100%[c]	0%	0%	—	--	--	—	--	--
Unclassified	—	--	--	—	--	--	100%[c]	--	0%	64%	--	--
Grade Point Ave		***			***			***			**	
3.5 & above	23%	18%	20%	12%	35%	27%	33%[c]	--	67%[c]	50%	--	--
3.0-3.4	20%	23%	27%	27%	18%	30%	27%	--	18%	60%	--	--
2.0-2.9	14%	35%	12%	8%	64%	10%	16%	--	36%	47%	--	--
Below 2.0	83%	3%	0%	61%	17%	0%	94%	--	0%	81%	--	--
Cr Completion Ratio		***			***			***			***	
1.00	33%	9%	25%	17%	24%	41%	39%	--	31%	67%[c]	--	--
.90-.99	8%	30%	35%	0%	40%	36%	0%	--	65%	0%[c]	--	--
.80-.89	13%	40%	37%	5%	63%	0%	15%	--	54%	60%[c]	--	--
.70-.79	0%	48%	13%	13%[c]	25%[c]	0%	0%[c]	--	0%[c]	0%[c]	--	--
.60-.69	4%	44%	0%	9%	46%	9%	0%[c]	--	0%[c]	33%[c]	--	--
.50-.59	19%	19%	0%	0%[c]	100%[c]	0%	0%[c]	--	0%[c]	40%	--	--
Below .50	58%	4%	1%	59%	18%	0%	78%	--	0%	78%	--	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

APPENDIX C-7
PROPORTIONS OF STUDENTS WHO ATTENDED ONE SEMESTER, FOUR SEMESTERS, OR GRADUATED BY PROGRAM CLUSTERS ENROLLING A MINIMUM OF 50 STUDENTS AND BY CHARACTERISTICS
WINDWARD COMMUNITY COLLEGE

Note: Data on students who attended for 2 or 3 semesters are included in Appendix B. Similar data for individual campuses, by program, are available at each campus. Data on the business program are not included because enrollment was under 50.

"Number" is the number enrolled (graduated); "percent" is number enrolled (graduated) divided by total number who entered in Fall 1974.

Characteristics[a]	(562) Liberal Arts			(94) Unclassified		
	1 Sem	*4 Sem*	Grad	1 Sem	*4 Sem*	Grad
Number	(169)	*(132)*	(19)[b]	(39)	*(20)*	(0)
Percent	30%	*24%*	3%	42%	*21%*	--
Sex						
Female	35%	*27%*	--	44%	*16%*	--
Male	26%	*26%*	--	36%	*32%*	--
Age		**				
Below 19	27%	*24%*	--	44%	*9%*	--
19-21	40%	*9%*	--	64%	*9%*	--
22-24	31%	*18%*	--	50%[c]	*33%*[c]	--
25-29	31%	*23%*	--	38%	*25%*	--
Over 29	28%	*39%*	--	30%	*27%*	--
Marital Status						
Single	31%	*21%*	--	49%	*14%*	--
Married	29%	*29%*	--	31%	*31%*	--
Other	32%	*42%*	--	50%[c]	*17%*[c]	--
High Sch Backgr						
Public, Oahu	30%	*22%*	--	43%	*19%*	--
Public, Neighbor Is	31%	*39%*	--	0%	*100%*[c]	--
Private, Hawaii	21%	*26%*	--	33%[c]	*0%*	--
U.S. Main & Poss.	34%	*25%*	--	44%	*24%*	--
Foreign	21%	*36%*	--	0%	*100%*[c]	--
Other	42%	*11%*	--	40%[c]	*40%*[c]	--
Entry						
New	28%	*26%*	--	44%	*23%*	--
Transfer	37%	*14%*	--	38%	*19%*	--
Status		***			***	
Full-Time	15%	*31%*	--	0%	*50%*[c]	--
Part-Time	38%	*20%*	--	44%	*19%*	--
Educational Obj						
Certificate	—	--	--	—	--	--
A.S.	—	--	--	—	--	--
A.A.	30%	*24%*	--	--	--	--
Unclassified	—	--	--	42%	*21%*	--
Grade Point Ave		***			***	
3.5 & above	27%	*22%*	--	26%	*20%*	--
3.0-3.4	15%	*31%*	--	19%	*25%*	--
2.0-2.9	12%	*36%*	--	21%	*57%*	--
Below 2.0	68%	*3%*	--	83%	*3%*	--
Cr Completion Ratio		***			*	
1.00	32%	*22%*	--	39%	*13%*	--
.90-.99	4%	*46%*	--	0%[c]	*100%*[c]	--
.80-.89	16%	*38%*	--	20%[c]	*80%*[c]	--
.70-.79	12%	*38%*	--	50%[c]	*50%*[c]	--
.60-.69	24%	*29%*	--	13%[c]	*13%*[c]	--
.50-.59	29%	*24%*	--	33%[c]	*11%*[c]	--
Below .50	41%	*14%*	--	57%	*22%*	--

[a] Levels of significance, based on chi-square analysis, are denoted thus: * .05 level, ** .01 level, *** .001 level.

[b] No percentages given, by characteristics, because number of students in this category is fewer than 20.

[c] Percentage is based on fewer than 10 students.

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